

**Annual Administrative Code Supplement**  
**2005 Edition**

**R 400.20608**

Source: 1983 AACS.

**R 400.20609**

Source: 1983 AACS.

**R 400.20610**

Source: 1983 AACS.

**R 400.20611**

Source: 1983 AACS.

**R 400.20612**

Source: 1983 AACS.

**R 400.20613**

Source: 1983 AACS.

**R 400.20614**

Source: 1983 AACS.

**R 400.20615**

Source: 1983 AACS.

**DEPARTMENT OF CONSUMER AND INDUSTRY SERVICES**

**BUREAU OF WORKERS' DISABILITY COMPENSATION**

**GENERAL RULES**

**PART 1. RECORDS**

**R 408.31**

Source: 1998-2000 AACS.

**R 408.31a**

Source: 1998-2000 AACS.

**R 408.32**

Source: 1998-2000 AACS.

**R 408.32a**

Source: 1998-2000 AACS.

**R 408.33**

Source: 1998-2000 AACS.

**PART 2. HEARINGS**

**R 408.34**

Source: 1998-2000 AACS.

**R 408.35**

Source: 1998-2000 AACS.

**R 408.36**

Source: 1984 AACS.

**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.37**  
**Source:** 1998-2000 AACS.

**R 408.38**  
**Source:** 1998-2000 AACS.

**R 408.39**  
**Source:** 1998-2000 AACS.

**R 408.40**  
**Source:** 1998-2000 AACS.

**R 408.40a**  
**Source:** 1998-2000 AACS.

**R 408.40b**  
**Source:** 1998-2000 AACS.

**R 408.40c**  
**Source:** 1998-2000 AACS.

**R 408.40d**  
**Source:** 1998-2000 AACS.

**R 408.40e**  
**Source:** 1998-2000 AACS.

**R 408.40f**  
**Source:** 1998-2000 AACS.

**R 408.40g**  
**Source:** 1998-2000 AACS.

**R 408.40h**  
**Source:** 1998-2000 AACS.

**PART 3. INSURANCE**

**R 408.41b**  
**Source:** 1998-2000 AACS.

**R 408.41c**  
**Source:** 1998-2000 AACS.

**R 408.42**  
**Source:** 1998-2000 AACS.

**R 408.42a**  
**Source:** 1998-2000 AACS.

**R 408.42b**  
**Source:** 1998-2000 AACS.

**R 408.43**  
**Source:** 1998-2000 AACS.

**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.43a**  
Source: 1998-2000 AACS.

**R 408.43b**  
Source: 1998-2000 AACS.

**R 408.43c**  
Source: 1998-2000 AACS.

**R 408.43i**  
Source: 2003 AACS.

**R 408.43k**  
Source: 1998-2000 AACS.

**R 408.43m**  
Source: 1998-2000 AACS.

**R 408.43n**  
Source: 1998-2000 AACS.

**R 408.43q**  
Source: 1998-2000 AACS.

**R 408.43s**  
Source: 2003 AACS.

**PART 4. MISCELLANEOUS**

**R 408.44**  
Source: 1998-2000 AACS.

**R 408.45**  
Source: 1998-2000 AACS.

**R 408.46**  
Source: 1998-2000 AACS.

**R 408.48**  
Source: 1985 AACS.

**PART 5. REVIEW AND APPEAL**

**R 408.49**  
Source: 1998-2000 AACS.

**R 408.50**  
Source: 1998-2000 AACS.

**R 408.51**  
Source: 1998-2000 AACS.

**R 408.52**  
Source: 1998-2000 AACS.

**PART 6. DEFINITIONS**

**R 408.59**

**Annual Administrative Code Supplement**  
**2005 Edition**

**Source:** 1984 AACS.

**SKI AREA SAFETY BOARD**  
**GENERAL RULES**

**R 408.61**

**Source:** 1998-2000 AACS.

**R 408.65**

**Source:** 1998-2000 AACS.

**R 408.66**

**Source:** 1997 AACS.

**R 408.68**

**Source:** 1997 AACS.

**R 408.69**

**Source:** 1997 AACS.

**R 408.70**

**Source:** 1998-2000 AACS.

**R 408.71**

**Source:** 1997 AACS.

**R 408.75**

**Source:** 1998-2000 AACS.

**R 408.76**

**Source:** 1998-2000 AACS.

**R 408.77**

**Source:** 1998-2000 AACS.

**R 408.78**

**Source:** 1998-2000 AACS.

**R 408.79**

**Source:** 1989 AACS.

**R 408.80**

**Source:** 1998-2000 AACS.

**R 408.81**

**Source:** 1998-2000 AACS.

**R 408.82**

**Source:** 1998-2000 AACS.

**R 408.83**

**Source:** 1989 AACS.

**R 408.90**

**Source:** 1989 AACS.

**R 408.91**

**Annual Administrative Code Supplement**  
**2005 Edition**

**Source:** 1997 AACS.

**R 408.92**

**Source:** 1989 AACS.

**R 408.97**

**Source:** 1997 AACS.

**DEPARTMENT OF CONSUMER AND INDUSTRY SERVICES**

**BUREAU OF SAFETY AND REGULATION**

**OCCUPATIONAL HEALTH STANDARDS COMMISSION**

**MINE SAFETY**

**Rule 408.121**

**Source:** 1998-2000 AACS.

**Rule 408.122**

**Source:** 1998-2000 AACS.

**DEPARTMENT OF CONSUMER AND INDUSTRY SERVICES**

**OCCUPATIONAL HEALTH STANDARDS COMMISSION**

**ABANDONED AND IDLE MINES**

**R 408.171**

**Source:** 1998-2000 AACS.

**R 408.172**

**Source:** 1998-2000 AACS.

**R 408.174**

**Source:** 1998-2000 AACS.

**R 480.175**

**Source:** 1998-2000 AACS.

**R 408.176**

**Source:** 1998-2000 AACS.

**R 408.177**

**Source:** 1998-2000 AACS.

**R 408.178**

**Source:** 1998-2000 AACS.

**R 408.179**

**Source:** 1998-2000 AACS.

**R 408.180**

**Source:** 1998-2000 AACS.

**BUREAU OF SAFETY AND REGULATION**

**Annual Administrative Code Supplement**  
**2005 Edition**

**EMPLOYMENT OF MINORS**

**R 408.201**  
**Source:** 1997 AACS.

**R 408.202**  
**Source:** 1997 AACS.

**R 408.203**  
**Source:** 1997 AACS.

**R 408.204**  
**Source:** 1997 AACS.

**R 408.205**  
**Source:** 1997 AACS.

**R 408.206**  
**Source:** 1997 AACS.

**DEPARTMENT OF CONSUMER AND INDUSTRY SERVICES**

**BUREAU OF SAFETY AND REGULATION**

**OCCUPATIONAL HEALTH STANDARDS COMMISSION**

**OXYGEN SUPPLY EQUIPMENT**

**R 408.491**  
**Source:** 1998-2000 AACS.

**R 408.492**  
**Source:** 1998-2000 AACS.

**DEPARTMENT OF CONSUMER AND INDUSTRY SERVICES**

**OCCUPATIONAL HEALTH STANDARDS COMMISSION**

**HEARINGS**

**R 408.501**  
**Source:** 1998-2000 AACS.

**R 408.502**  
**Source:** 1998-2000 AACS.

**R 408.503**  
**Source:** 1998-2000 AACS.

**R 408.504**  
**Source:** 1998-2000 AACS.

**R 408.505**  
**Source:** 1998-2000 AACS.

**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.506**  
**Source:** 1998-2000 AACS.

**BUREAU OF EMPLOYMENT STANDARDS**

**GENERAL RULES**

**PART 1. GENERAL PROVISIONS**

**R 408.701**  
**Source:** 1998-2000 AACS.

**R 408.702**  
**Source:** 1998-2000 AACS.

**R 408.703**  
**Source:** 1998-2000 AACS.

**R 408.704**  
**Source:** 1998-2000 AACS.

**R 408.705**  
**Source:** 1998-2000 AACS.

**R 408.706**  
**Source:** 1998-2000 AACS.

**PART 2. OVERTIME COMPENSATION**

**R 408.721**  
**Source:** 1998-2000 AACS.

**R 408.722**  
**Source:** 1998-2000 AACS.

**R 408.723**  
**Source:** 1998-2000 AACS.

**R 408.724**  
**Source:** 1998-2000 AACS.

**R 408.725**  
**Source:** 1998-2000 AACS.

**R 408.726**  
**Source:** 1998-2000 AACS.

**R 408.727**  
**Source:** 1998-2000 AACS.

**R 408.728**  
**Source:** 1998-2000 AACS.

**R 408.729**  
**Source:** 1998-2000 AACS.

**R 408.730**  
**Source:** 1998-2000 AACS.

**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.731**  
**Source:** 1997 AACS.

**R 408.732**  
**Source:** 1997 AACS.

**R 408.733**  
**Source:** 1998-2000 AACS.

**R 408.734**  
**Source:** 1998-2000 AACS.

**R 408.735**  
**Source:** 1998-2000 AACS.

**DIRECTOR OF LABOR AND WAGE DEVIATION BOARD**  
**CERTIFICATES FOR SHELTERED WORKSHOPS AND**  
**EMPLOYMENT OF HANDICAPPED WORKERS**

**R 408.751**  
**Source:** 1997 AACS.

**R 408.752**  
**Source:** 1997 AACS.

**R 408.753**  
**Source:** 1997 AACS.

**R 408.754**  
**Source:** 1997 AACS.

**R 408.755**  
**Source:** 1997 AACS.

**R 408.756**  
**Source:** 1997 AACS.

**R 408.757**  
**Source:** 1997 AACS.

**R 408.758**  
**Source:** 1997 AACS.

**R 408.759**  
**Source:** 1997 AACS.

**R 408.760**  
**Source:** 1997 AACS.

**R 408.761**  
**Source:** 1997 AACS.

**R 408.762**  
**Source:** 1997 AACS.

**R 408.763**  
**Source:** 1997 AACS.



**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.764**  
**Source:** 1997 AACS.

**BUREAU OF EMPLOYMENT STANDARDS**  
**WAGE DEVIATION**

**R 408.771**  
**Source:** 1983 AACS.

**R 408.772**  
**Source:** 1983 AACS.

**R 408.773**  
**Source:** 1983 AACS.

**R 408.774**  
**Source:** 1983 AACS.

**R 408.775**  
**Source:** 1983 AACS.

**R 408.776**  
**Source:** 1983 AACS.

**R 408.777**  
**Source:** 1983 AACS.

**R 408.778**  
**Source:** 1983 AACS.

**R 408.779**  
**Source:** 1983 AACS.

**R 408.780**  
**Source:** 1983 AACS.

**R 408.781**  
**Source:** 1983 AACS.

**R 408.782**  
**Source:** 1983 AACS.

**R 408.783**  
**Source:** 1983 AACS.

**R 408.784**  
**Source:** 1983 AACS.

**R 408.785**  
**Source:** 1983 AACS.

**R 408.786**  
**Source:** 1983 AACS.

**R 408.787**  
**Source:** 1983 AACS.

**Annual Administrative Code Supplement**  
**2005 Edition**

**DIRECTOR'S OFFICE**  
**CARNIVAL AND AMUSEMENT RIDES**

**PART 1. GENERAL PROVISIONS**

**R 408.801**  
Source: 2003 AACS.

**R 408.802**  
Source: 2003 AACS.

**R 408.803**  
Source: 2003 AACS.

**R 408.805**  
Source: 1997 AACS.

**R 408.806**  
Source: 2003 AACS.

**R 408.807**  
Source: 1997 AACS.

**R 408.809**  
Source: 1997 AACS.

**R 408.811**  
Source: 1997 AACS.

**R 408.813**  
Source: 2003 AACS.

**R 408.814**  
Source: 2003 AACS.

**R 408.815**  
Source: 1997 AACS.

**R 408.816**  
Source: 1983 AACS.

**R 408.817**  
Source: 1996 AACS.

**R 408.819**  
Source: 1983 AACS.

**PART 2. DESIGN, CONSTRUCTION, AND OPERATION**

**R 408.821**  
Source: 2003 AACS.

**R 408.822**  
Source: 1997 AACS.

**R 408.824**  
Source: 1983 AACS.

**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.825**  
**Source:** 1983 AACS.

**R 408.826**  
**Source:** 1983 AACS.

**R 408.827**  
**Source:** 1983 AACS.

**R 408.828**  
**Source:** 1983 AACS.

**R 408.829**  
**Source:** 1983 AACS.

**R 408.830**  
**Source:** 1983 AACS.

**R 408.831**  
**Source:** 1983 AACS.

**R 408.832**  
**Source:** 1983 AACS.

**R 408.833**  
**Source:** 2003 AACS.

**R 408.834**  
**Source:** 2003 AACS.

**R 408.835**  
**Source:** 1983 AACS.

**R 408.837**  
**Source:** 2003 AACS.

**R 408.838**  
**Source:** 2003 AACS.

**R 408.839**  
**Source:** 1996 AACS.

**R 408.839a**  
**Source:** 2003 AACS.

**R 408.841**  
**Source:** 2003 AACS.

**R 408.843**  
**Source:** 2003 AACS.

**R 408.844**  
**Source:** 2003 AACS.

**R 408.846**  
**Source:** 1983 AACS.

**R 408.848**  
**Source:** 1996 AACS.

**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.849**  
Source: 1983 AACS.

**R 408.851**  
Source: 1983 AACS.

**R 408.852**  
Source: 2003 AACS.

**R 408.854**  
Source: 1983 AACS.

**R 408.856**  
Source: 1983 AACS.

**PART 3. PROCEDURES**

**R 408.871**  
Source: 1983 AACS.

**R 408.872**  
Source: 1983 AACS.

**R 408.873**  
Source: 1983 AACS.

**R 408.874**  
Source: 1983 AACS.

**R 408.876**  
Source: 2003 AACS.

**R 408.877**  
Source: 2003 AACS.

**R 408.881**  
Source: 2003 AACS.

**R 408.882**  
Source: 2003 AACS.

**R 408.885**  
Source: 2003 AACS.

**R 408.886**  
Source: 2003 AACS.

**R 408.887**  
Source: 2003 AACS.

**PART 4. PARTICIPATORY RIDES—GO-KARTS**

**R 408.891**  
Source: 2003 AACS.

**R 408.891a**  
Source: 1998-2000 AACS.

**R 408.893**

**Annual Administrative Code Supplement**  
**2005 Edition**

**Source:** 1998-2000 AACS.

**R 408.895**

**Source:** 1998-2000 AACS.

**R 408.897**

**Source:** 1998-2000 AACS.

**PART 5. SIGNS AND SAFETY WARNINGS**

**R 408.898**

**Source:** 2003 AACS.

**BOILERS**

**PART 1. GENERAL PROVISIONS**

**R 408.4011**

**Source:** 1998-2000 AACS.

**R 408.4012**

**Source:** 2002 AACS.

**R 408.4013**

**Source:** 1998-2000 AACS.

**R 408.4015**

**Source:** 1998-2000 AACS.

**R 408.4017**

**Source:** 1998-2000 AACS.

**R 408.4019**

**Source:** 1998-2000 AACS.

**R 408.4021**

**Source:** 1998-2000 AACS.

**R 408.4023**

**Source:** 1998-2000 AACS.

**R 408.4024**

**Source:** 2002 AACS.

**R 408.4025**

**Source:** 2002 AACS.

**R 408.4026**

**Source:** 1998-2000 AACS.

**R 408.4027**

**Source:** 2002 AACS.

**R 408.4028**

**Source:** 1995 AACS.

**R 408.4031**

**Source:** 2002 AACS.

**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.4032**  
Source: 2002 AACS.

**R 408.4033**  
Source: 2002 AACS.

**R 408.4035**  
Source: 1995 AACS.

**R 408.4038**  
Source: 2002 AACS.

**R 408.4039**  
Source: 1998-2000 AACS.

**R 408.4043**  
Source: 1997 AACS.

**R 408.4047**  
Source: 1998-2000 AACS.

**R 408.4049**  
Source: 1981 AACS.

**R 408.4051**  
Source: 1981 AACS.

**R 408.4052**  
Source: 2002 AACS.

**R 408.4053**  
Source: 1997 AACS.

**R 408.4055**  
Source: 1998-2000 AACS.

**R 408.4057**  
Source: 2002 AACS.

**R 408.4058**  
Source: 2002 AACS.

**R 408.4059**  
Source: 2002 AACS.

**R 408.4061**  
Source: 1997 AACS.

**R 408.4063**  
Source: 1997 AACS.

**R 408.4071**  
Source: 1995 AACS.

**R 408.4073**  
Source: 2002 AACS.

**R 408.4075**

**Annual Administrative Code Supplement**  
**2005 Edition**

**Source:** 1995 AACS.

**R 408.4077**

**Source:** 2002 AACS.

**R 408.4079**

**Source:** 1981 AACS.

**R 408.4081**

**Source:** 1995 AACS.

**R 408.4087**

**Source:** 2002 AACS.

**R 408.4091**

**Source:** 2002 AACS.

**R 408.4093**

**Source:** 2002 AACS.

**R 408.4095**

**Source:** 1997 AACS.

**R 408.4096**

**Source:** 1998-2000 AACS.

**R 408.4099**

**Source:** 2002 AACS.

**R 408.4101**

**Source:** 2002 AACS.

**R 408.4103**

**Source:** 2002 AACS.

**R 408.4105**

**Source:** 1981 AACS.

**R 408.4107**

**Source:** 2002 AACS.

**R 408.4109**

**Source:** 2002 AACS.

**R 408.4110**

**Source:** 1997 AACS.

**R 408.4111**

**Source:** 2002 AACS.

**R 408.4113**

**Source:** 1997 AACS.

**R 408.4114**

**Source:** 1998-2000 AACS.

**R 408.4115**

**Source:** 2002 AACS.

**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.4116**  
Source: 2002 AACS.

**R 408.4119**  
Source: 2002 AACS.

**R 408.4120**  
Source: 1997 AACS.

**R 408.4121**  
Source: 2002 AACS.

**R 408.4122**  
Source: 2002 AACS.

**R 408.4123**  
Source: 1981 AACS.

**R 408.4124**  
Source: 2002 AACS.

**R 408.4125**  
Source: 2002 AACS.

**R 408.4127**  
Source: 1998-2000 AACS.

**R 408.4129**  
Source: 2002 AACS.

**R 408.4133**  
Source: 2002 AACS.

**R 408.4139**  
Source: 1995 AACS.

**R 408.4143**  
Source: 1981 AACS.

**R 408.4149**  
Source: 2002 AACS.

**R 408.4153**  
Source: 2002 AACS.

**R 408.4159**  
Source: 1997 AACS.

**R 408.4163**  
Source: 2002 AACS.

**R 408.4169**  
Source: 1995 AACS.

**R 408.4172**  
Source: 1995 AACS.

**R 408.4173**



**Annual Administrative Code Supplement**  
**2005 Edition**

**Source:** 2002 AACS.

**R 408.4174**

**Source:** 1997 AACS.

**R 408.4175**

**Source:** 2002 AACS.

**R 408.4177**

**Source:** 2002 AACS.

**R 408.4179**

**Source:** 2002 AACS.

**R 408.4181**

**Source:** 1997 AACS.

**R 408.4182**

**Source:** 2002 AACS.

**R 408.4183**

**Source:** 1997 AACS.

**R 408.4184**

**Source:** 1997 AACS.

**R 408.4185**

**Source:** 1995 AACS.

**R 408.4186**

**Source:** 1995 AACS.

**R 408.4187**

**Source:** 2002 AACS.

**R 408.4189**

**Source:** 2002 AACS.

**R 408.4191**

**Source:** 1997 AACS.

**R 408.4193**

**Source:** 2002 AACS.

**R 408.4195**

**Source:** 1998-2000 AACS.

**R 408.4197**

**Source:** 2002 AACS.

**PART 2. EXISTING INSTALLATIONS**  
**STEAM BOILERS**

**R 408.4214**

**Source:** 1995 AACS.

**R 408.4270**

**Source:** 1985 AACS.

**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.4275**  
**Source:** 1997 AACS.

**PART 3. INSPECTION AND TESTING FOR NEW CONSTRUCTION;  
INSTALLATION AND ALTERATION OF BOILERS AND PIPING**

**R 408.4301**  
**Source:** 2002 AACS.

**R 408.4302**  
**Source:** 2002 AACS.

**R 408.4303**  
**Source:** 1995 AACS.

**R 408.4304**  
**Source:** 2002 AACS.

**R 408.4306**  
**Source:** 1997 AACS.

**R 408.4309**  
**Source:** 1997 AACS.

**R 408.4312**  
**Source:** 1997 AACS.

**R 408.4315**  
**Source:** 1997 AACS.

**R 408.4318**  
**Source:** 1997 AACS.

**R 408.4321**  
**Source:** 1997 AACS.

**R 408.4324**  
**Source:** 1997 AACS.

**R 408.4327**  
**Source:** 1997 AACS.

**R 408.4330**  
**Source:** 1997 AACS.

**R 408.4333**  
**Source:** 1997 AACS.

**R 408.4336**  
**Source:** 1997 AACS.

**R 408.4339**  
**Source:** 1997 AACS.

**R 408.4342**  
**Source:** 1997 AACS.

**R 408.4345**  
**Source:** 1997 AACS.

**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.4348**  
**Source:** 1997 AACS.

**R 408.4351**  
**Source:** 1997 AACS.

**R 408.4354**  
**Source:** 1997 AACS.

**R 408.4357**  
**Source:** 1997 AACS.

**R 408.4360**  
**Source:** 1997 AACS.

**R 408.4363**  
**Source:** 1997 AACS.

**R 408.4366**  
**Source:** 1997 AACS.

**R 408.4369**  
**Source:** 1997 AACS.

**R 408.4372**  
**Source:** 1997 AACS.

**R 408.4375**  
**Source:** 1997 AACS.

**R 408.4378**  
**Source:** 1997 AACS.

**R 408.4381**  
**Source:** 1997 AACS.

**R 408.4384**  
**Source:** 1997 AACS.

**R 408.4387**  
**Source:** 1997 AACS.

**R 408.4390**  
**Source:** 1997 AACS.

**R 408.4393**  
**Source:** 1997 AACS.

**R 408.4396**  
**Source:** 1997 AACS.

**PART 4. INSPECTION OF FUSION WELDING**

**R 408.4401**  
**Source:** 1997 AACS.

**R 408.4402**  
**Source:** 1997 AACS.

**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.4405**  
Source: 1997 AACS.

**R 408.4407**  
Source: 1997 AACS.

**R 408.4409**  
Source: 1997 AACS.

**R 408.4410**  
Source: 1997 AACS.

**R 408.4412**  
Source: 1997 AACS.

**R 408.4414**  
Source: 1997 AACS.

**R 408.4416**  
Source: 1997 AACS.

**R 408.4418**  
Source: 1997 AACS.

**R 408.4420**  
Source: 1997 AACS.

**R 408.4422**  
Source: 1997 AACS.

**R 408.4424**  
Source: 1997 AACS.

**R 408.4426**  
Source: 1997 AACS.

**R 408.4428**  
Source: 1997 AACS.

**R 408.4430**  
Source: 1997 AACS.

**R 408.4432**  
Source: 1997 AACS.

**R 408.4434**  
Source: 1997 AACS.

**R 408.4436**  
Source: 1997 AACS.

**R 408.4438**  
Source: 1997 AACS.

**R 408.4440**  
Source: 1997 AACS.

**R 408.4442**  
Source: 1997 AACS.

**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.4444**  
Source: 1997 AACCS.

**R 408.4446**  
Source: 1997 AACCS.

**R 408.4448**  
Source: 1997 AACCS.

**R 408.4450**  
Source: 1997 AACCS.

**R 408.4452**  
Source: 1997 AACCS.

**R 408.4454**  
Source: 1997 AACCS.

**R 408.4456**  
Source: 1997 AACCS.

**R 408.4458**  
Source: 1997 AACCS.

**R 408.4460**  
Source: 1997 AACCS.

**R 408.4462**  
Source: 1997 AACCS.

**R 408.4466**  
Source: 1997 AACCS.

**R 408.4468**  
Source: 1997 AACCS.

**R 408.4470**  
Source: 1997 AACCS.

**R 408.4472**  
Source: 1997 AACCS.

**R 408.4474**  
Source: 1997 AACCS.

**R 408.4476**  
Source: 1997 AACCS.

**R 408.4478**  
Source: 1997 AACCS.

**R 408.4480**  
Source: 1997 AACCS.

**R 408.4482**  
Source: 1997 AACCS.

**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.4484**  
**Source:** 1997 AACS.

**R 408.4486**  
**Source:** 1997 AACS.

**R 408.4488**  
**Source:** 1997 AACS.

**R 408.4489**  
**Source:** 1997 AACS.

**R 408.4490**  
**Source:** 1997 AACS.

**R 408.4491**  
**Source:** 1997 AACS.

**R 408.4492**  
**Source:** 1997 AACS.

**R 408.4493**  
**Source:** 1997 AACS.

**R 408.4494**  
**Source:** 1997 AACS.

**R 408.4495**  
**Source:** 1997 AACS.

**R 408.4496**  
**Source:** 1997 AACS.

**R 408.4497**  
**Source:** 1997 AACS.

**R 408.4498**  
**Source:** 1997 AACS.

**R 408.4499**  
**Source:** 1997 AACS.

**PART 5. INSERVICE INSPECTION OF BOILERS**

**R 408.4501**  
**Source:** 2002 AACS.

**R 408.4502**  
**Source:** 2001 AACS.

**R 408.4503**  
**Source:** 1995 AACS.

**R 408.4505**  
**Source:** 1998-2000 AACS.

**R 408.4507**  
**Source:** 2002 AACS.

**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.4511**  
**Source:** 1998-2000 AACS.

**R 408.4512**  
**Source:** 1998-2000 AACS.

**R 408.4513**  
**Source:** 1998-2000 AACS.

**R 408.4515**  
**Source:** 1998-2000 AACS.

**R 408.4517**  
**Source:** 1998-2000 AACS.

**R 408.4518**  
**Source:** 1998-2000 AACS.

**R 408.4522**  
**Source:** 1995 AACS.

**R 408.4524**  
**Source:** 1998-2000 AACS.

**R 408.4526**  
**Source:** 1998-2000 AACS.

**R 408.4529**  
**Source:** 1998-2000 AACS.

**R 408.4531**  
**Source:** 1998-2000 AACS.

**R 408.4534**  
**Source:** 1998-2000 AACS.

**R 408.4536**  
**Source:** 1998-2000 AACS.

**R 408.4538**  
**Source:** 1998-2000 AACS.

**R 408.4540**  
**Source:** 1997 AACS.

**R 408.4542**  
**Source:** 1997 AACS.

**R 408.4545**  
**Source:** 1998-2000 AACS.

**R 408.4547**  
**Source:** 1998-2000 AACS.

**R 408.4550**  
**Source:** 1998-2000 AACS.

**Annual Administrative Code Supplement**  
**2005 Edition**

- R 408.4552**  
Source: 1997 AACS.
- R 408.4554**  
Source: 1998-2000 AACS.
- R 408.4556**  
Source: 1997 AACS.
- R 408.4559**  
Source: 1998-2000 AACS.
- R 408.4561**  
Source: 1998-2000 AACS.
- R 408.4566**  
Source: 1998-2000 AACS.
- R 408.4569**  
Source: 1998-2000 AACS.
- R 408.4570**  
Source: 1995 AACS.
- R 408.4572**  
Source: 1998-2000 AACS.
- R 408.4578**  
Source: 1998-2000 AACS.
- R 408.4580**  
Source: 1998-2000 AACS.
- R 408.4583**  
Source: 1998-2000 AACS.
- R 408.4586**  
Source: 1998-2000 AACS.
- R 408.4590**  
Source: 1998-2000 AACS.

**PART 6. REPAIR OF BOILERS**  
**SCOPE OF RULES FOR REPAIR BY RIVETING**

- R 408.4601**  
Source: 2002 AACS.
- R 408.4602**  
Source: 1995 AACS.
- R 408.4603**  
Source: 1995 AACS.
- R 408.4604**  
Source: 1995 AACS.
- R 408.4605**  
Source: 1995 AACS.



**Annual Administrative Code Supplement**  
**2005 Edition**

- R 408.4606**  
Source: 1995 AACS.
- R 408.4607**  
Source: 1995 AACS.
- R 408.4608**  
Source: 1995 AACS.
- R 408.4609**  
Source: 1995 AACS.
- R 408.4610**  
Source: 1995 AACS.
- R 408.4611**  
Source: 1995 AACS.
- R 408.4612**  
Source: 1995 AACS.
- R 408.4613**  
Source: 1995 AACS.
- R 408.4614**  
Source: 1995 AACS.
- R 408.4615**  
Source: 1995 AACS.
- R 408.4616**  
Source: 1995 AACS.
- R 408.4617**  
Source: 1995 AACS.
- R 408.4618**  
Source: 1995 AACS.
- R 408.4619**  
Source: 1995 AACS.
- R 408.4620**  
Source: 1995 AACS.
- R 408.4621**  
Source: 1998-2000 AACS.
- R 408.4622**  
Source: 1995 AACS.
- R 408.4623**  
Source: 1995 AACS.
- R 408.4624**  
Source: 1995 AACS.
- R 408.4625**  
Source: 1995 AACS.

**SCOPE OF RULES FOR REPAIR BY WELDING**

**R 408.4626**  
Source: 1998-2000 AACS.

**R 408.4627**  
Source: 1998-2000 AACS.

**R 408.4628**  
Source: 1995 AACS.

**R 408.4631**  
Source: 1998-2000 AACS.

**R 408.4633**  
Source: 1998-2000 AACS.

**R 408.4635**  
Source: 1997 AACS.

**R 408.4637**  
Source: 2002 AACS.

**R 408.4639**  
Source: 1997 AACS.

**R 408.4641**  
Source: 1997 AACS.

**R 408.4643**  
Source: 1998-2000 AACS.

**R 408.4645**  
Source: 1997 AACS.

**R 408.4647**  
Source: 1998-2000 AACS.

**R 408.4649**  
Source: 1998-2000 AACS.

**R 408.4650**  
Source: 1998-2000 AACS.

**R 408.4651**  
Source: 1998-2000 AACS.

**R 408.4653**  
Source: 1997 AACS.

**R 408.4655**  
Source: 1997 AACS.

**R 408.4657**  
Source: 1997 AACS.

**R 408.4659**  
Source: 1998-2000 AACS.

**Annual Administrative Code Supplement**  
**2005 Edition**

- R 408.4660**  
Source: 1995 AACS.
- R 408.4661**  
Source: 1998-2000 AACS.
- R 408.4662**  
Source: 1997 AACS.
- R 408.4664**  
Source: 1997 AACS.
- R 408.4666**  
Source: 1997 AACS.
- R 408.4667**  
Source: 1995 AACS.
- R 408.4668**  
Source: 1998-2000 AACS.
- R 408.4670**  
Source: 1998-2000 AACS.
- R 408.4671**  
Source: 1998-2000 AACS.
- R 408.4672**  
Source: 1998-2000 AACS.
- R 408.4674**  
Source: 1997 AACS.
- R 408.4675**  
Source: 1998-2000 AACS.
- R 408.4676**  
Source: 1998-2000 AACS.
- R 408.4677**  
Source: 1997 AACS.
- R 408.4678**  
Source: 1997 AACS.
- R 408.4679**  
Source: 1997 AACS.
- R 408.4680**  
Source: 1998-2000 AACS.
- R 408.4682**  
Source: 1998-2000 AACS.
- R 408.4683**  
Source: 1998-2000 AACS.

**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.4684**  
Source: 2001 AACS.

**R 408.4686**  
Source: 2001 AACS.

**R 408.4687**  
Source: 2001 AACS.

**R 408.4688**  
Source: 2001 AACS.

**R 408.4689**  
Source: 1995 AACS.

**R 408.4690**  
Source: 2001 AACS.

**R 408.4691**  
Source: 2001 AACS.

**R 408.4692**  
Source: 1997 AACS.

**R 408.4693**  
Source: 1998-2000 AACS.

**R 408.4694**  
Source: 1998-2000 AACS.

**R 408.4695**  
Source: 1998-2000 AACS.

**R 408.4696**  
Source: 1997 AACS.

**R 408.4697**  
Source: 1998-2000 AACS.

**PART 7. BOILER BLOWOFF SYSTEMS**

**R 408.4701**  
Source: 1998-2000 AACS.

**R 408.4704**  
Source: 1995 AACS.

**R 408.4711**  
Source: 2002 AACS.

**R 408.4715**  
Source: 1997 AACS.

**R 408.4719**  
Source: 1997 AACS.

**R 408.4723**  
Source: 1997 AACS.

**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.4727**  
**Source:** 1995 AACS.

**R 408.4731**  
**Source:** 1995 AACS.

**R 408.4739**  
**Source:** 2002 AACS.

**R 408.4747**  
**Source:** 1995 AACS.

**R 408.4750**  
**Source:** 2002 AACS.

**R 408.4756**  
**Source:** 1997 AACS.

**R 408.4762**  
**Source:** 1997 AACS.

**R 408.4768**  
**Source:** 1997 AACS.

**R 408.4774**  
**Source:** 1997 AACS.

**R 408.4780**  
**Source:** 1997 AACS.

**R 408.4786**  
**Source:** 1997 AACS.

**R 408.4792**  
**Source:** 1997 AACS.

**R 408.4798**  
**Source:** 1997 AACS.

**PART 8. CONTROLS**

**R 408.4801**  
**Source:** 1995 AACS.

**FUEL CUTOFFS AND FEEDWATER REGULATORS**

**R 408.4853**  
**Source:** 1995 AACS.

**R 408.4857**  
**Source:** 1998-2000 AACS.

**R 408.4859**  
**Source:** 1997 AACS.

**R 408.4861**  
**Source:** 1997 AACS.

**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.4863**  
Source: 1997 AACS.

**R 408.4865**  
Source: 1997 AACS.

**R 408.4869**  
Source: 1997 AACS.

**R 408.4871**  
Source: 1997 AACS.

**R 408.4873**  
Source: 1997 AACS.

**R 408.4876**  
Source: 1997 AACS.

**R 408.4879**  
Source: 1997 AACS.

**R 408.4882**  
Source: 1997 AACS.

**R 408.4885**  
Source: 1997 AACS.

**R 408.4888**  
Source: 1997 AACS.

**R 408.4890**  
Source: 1997 AACS.

**PART 9. LOW-PRESSURE SIDE OF REDUCING VALVES**

**R 408.4901**  
Source: 1997 AACS.

**R 408.4910**  
Source: 1997 AACS.

**R 408.4920**  
Source: 1997 AACS.

**R 408.4930**  
Source: 1997 AACS.

**R 408.4940**  
Source: 1997 AACS.

**R 408.4950**  
Source: 1997 AACS.

**R 408.4960**  
Source: 1997 AACS.

**R 408.4970**  
Source: 1997 AACS.

**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.4980**  
**Source:** 1997 AACS.

**R 408.4990**  
**Source:** 1997 AACS.

**PART 15. HEARINGS**

**R 408.5501**  
**Source:** 1995 AACS.

**R 408.5502**  
**Source:** 1997 AACS.

**R 408.5503**  
**Source:** 1997 AACS.

**R 408.5504**  
**Source:** 1997 AACS.

**R 408.5505**  
**Source:** 1997 AACS.

**R 408.5506**  
**Source:** 1997 AACS.

**R 408.5507**  
**Source:** 1997 AACS.

**DEPARTMENT OF CONSUMER AND INDUSTRY SERVICES**

**BUREAU OF SAFETY AND REGULATION**

**OCCUPATIONAL SAFETY STANDARDS COMMISSION**

**GENERAL RULES**

**R 408.6171**  
**Source:** 1998-2000 AACS.

**BUREAU OF EMPLOYMENT STANDARDS**

**YOUTH EMPLOYMENT STANDARDS**

**PART 1. GENERAL PROVISIONS**

**R 408.6199**  
**Source:** 1988 AACS.

**PART 2. HAZARDOUS OCCUPATIONS IN GENERAL EMPLOYMENT**

**R 408.6201**  
**Source:** 1988 AACS.

**R 408.6202**

**Annual Administrative Code Supplement**  
**2005 Edition**

Source: 2003 AACS.

**R 408.6203**

Source: 2003 AACS.

**R 408.6204**

Source: 1988 AACS.

**R 408.6205**

Source: 1988 AACS.

**R 408.6206**

Source: 1988 AACS.

**R 408.6207**

Source: 1988 AACS.

**R 408.6208**

Source: 2003 AACS.

**R 408.6209**

Source: 1988 AACS.

**PART 3. DEVIATIONS FROM ESTABLISHED STANDARDS OR FROM  
LEGAL HOURS OF EMPLOYMENT FOR 16- AND 17-YEAR-OLD MINORS**

**R 408.6301**

Source: 1988 AACS.

**R 408.6302**

Source: 2003 AACS.

**R 408.6303**

Source: 2003 AACS.

**R 408.6304**

Source: 2003 AACS.

**R 408.6305**

Source: 1988 AACS.

**R 408.6306**

Source: 1988 AACS.

**R 408.6307**

Source: 1988 AACS.

**R 408.6308**

Source: 1988 AACS.

**DEPARTMENT OF CONSUMER AND INDUSTRY SERVICES**

**DIRECTOR'S OFFICE**

**ELEVATORS**

**CHAPTER 1. GENERAL PROVISIONS**



**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.7001**

**Source:** 2003 AACCS.

**R 408.7002 Definitions.**

Rule 2. (1) As used in these rules:

- (a) "Act" means 1967 PA 227, MCL 408.801 et seq. and known as the elevator safety board act.
  - (b) "Belt manlift" means a power-driven endless belt which has steps and handholds and which is used to transport persons in a vertical direction through successive floors or levels of a building or structure.
  - (c) "Department" means the department of labor & economic growth.
  - (d) "Electrical-powered, 1-man elevator" means an elevator that has a car platform area of not more than 5 square feet, a rated load of not more than 300 pounds, and a rated speed of not more than 100 feet per minute. It is for the exclusive use of certain designated operating and maintenance employees and is installed in any of the following structures:
    - (i) A grain or feed mill.
    - (ii) A chemical or alcohol distillery.
    - (iii) A cement storage tower.
    - (iv) A radio tower.
    - (v) A similar structure that is not accessible to the general public.
  - (e) "Examination" means a survey of the design and construction of elevators or elevator equipment by a dealer in elevators or elevator equipment or an approved insurance company.
  - (f) "Hand-powered, 1-man elevator" means an elevator which has a car platform area of not more than 5 square feet, which has a rated load of not more than 300 pounds, and which is operated from the car only by pulling on a stationary rope that is located in the hoistway and passing through or adjacent to the car platform. The elevator is for the exclusive use of certain designated operating and maintenance employees and is installed in a grain or feed mill or a similar structure that is not accessible to the general public.
  - (g) "Inspection" means the official determination by a general inspector of the condition of all parts of equipment on which the safe operation of an elevator depends.
  - (h) "Private residence" means any elevating device installed in or at a private residence or installed in a building as a means of access to a private residence within such building, provided the elevator is installed so that it is not accessible to the general public or to other occupants in the building. The use is restricted to the owner and the owner's immediate family and nonpaying guests. All other elevating device installations shall be classified as commercial.
  - (i) "Special elevating device" includes other lifting or lowering apparatus which is guided as provided in section 3 of the act.
  - (j) "Temporary inspection" means the inspection of a permanent elevator that is to be used on a temporary basis.
- (2) Terms defined in the act have the same meanings when used in these rules.

History: 2003 MR 23, Eff. Dec. 31, 2003; 2005 MR 19, Eff. Dec. 12, 2005.

**R 408.7003 Applicability of national standards.**

Rule 3. (1) The standards contained in the American society of mechanical engineers (ASME) safety code for elevators and escalators, ASME A17.1-2004, except for sections 2.5.1.5.3, 2.8.2.3.2, 2.11.1.3, 2.11.1.4, 2.11.7.2, 2.14.2.2(f), 2.14.2.6, 2.14.5.8.2, 2.16.5.1.3, 2.22.2, 2.26.1.5, 3.19.5.2, 3.22.1.6, 5.3.1.1.1, 5.3.1.1.2, 5.3.1.1.3, 5.3.1.1.4, 5.3.1.2.1, 5.3.1.14.3, 5.4.10.2, 8.6.5.8, 8.6.10.4, 8.10.1.1.3, 8.11.1.1, 8.11.1.1.1, 8.11.1.1.2 and the safety code standard for platform lifts and stairway chairlifts, ASME A18.1-2003 except for sections 2.1.2, 2.1.3, 2.10.2, 3.10.2, 10.1.1, 10.1.2, 10.1.3.3, 10.2.1, hereinafter referred to as "code," and with exceptions noted are adopted in these rules by reference as rules for elevators in this state. The codes are adopted by reference in these rules and are available for inspection at the Michigan Department of Labor & Economic Growth, Bureau of Construction Codes and Fire Safety, 6546 Mercantile Way, Lansing, Michigan 48911, or from the American Society of Mechanical Engineers, 22 Law Drive, Box 2900, Fairfield, New Jersey 07007-2900, at a cost as of the time of adoption of these amendatory rules of \$195.00 and \$85.00 respectively. All references to NFPA 70 mean the Michigan Electrical Code. The Michigan Electrical Code is available for inspection or may be purchased from the Michigan Department of Labor & Economic Growth, Bureau of Construction Codes and Fire Safety, 6546 Mercantile Way, Lansing, Michigan 48911, at a cost as of the time of adoption of these amendatory rules of \$65.00 each.

History: 2003 MR 23, Eff. Dec. 31, 2003; 2005 MR 19, Eff. Dec. 12, 2005.

**R 408.7004**

**Source:** 2003 AACCS.

**R 408.7005**

**Source:** 2003 AACCS.

**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.7006**  
Source: 2003 AACS.

**R 408.7007**  
Source: 2003 AACS.

**R 408.7008**  
Source: 2003 AACS.

**R 408.7009**  
Source: 2003 AACS.

**R 408.7010**  
Source: 2003 AACS.

**R 408.7011**  
Source: 2003 AACS.

**R 408.7012**  
Source: 2003 AACS.

**R 408.7013**  
Source: 2003 AACS.

**R 408.7014**  
Source: 2003 AACS.

**R 408.7015**  
Source: 2003 AACS.

**R 408.7016**  
Source: 2003 AACS.

**R 408.7017**  
Source: 2003 AACS.

**R 408.7018**  
Source: 2003 AACS.

**R 408.7019 Fees.**

Rule 19. (1) Fees shall be paid in accordance with the following schedule:

Commissions to inspect elevators

Commission      \$25.00.

Commission renewal      \$25.00.

Examination for certificates of competency

Certificate of competency examination      \$35.00.

Elevator contractor's licenses

Elevator contractor's license and renewal      \$75.00.

Elevator contractor's examination      \$45.00.

Elevator journeyperson license and renewal      \$20.00.

Elevator journeyperson examination      \$25.00.

Installation permits

Elevator installation application fee (non-refundable)      \$60.00.

Base permit fee for each of the following devices:      \$140.00.

**Annual Administrative Code Supplement**  
**2005 Edition**

Passenger elevator  
Freight elevator  
Mine elevator  
Inclined elevator  
Limited-use/limited application elevator  
Private residence elevator  
Special purpose personnel elevator  
Dumbwaiter  
Material lift  
Plus \$25.00 for each hoistway opening

Escalator           \$140.00.  
Moving walk       \$140.00.  
Power sidewalk elevator \$140.00.  
Rooftop elevator \$140.00.  
Personnel hoist, initial inspection \$290.00.  
Personnel hoist tower rise \$90.00.  
Belt manlift       \$115.00.  
Special elevating device \$140.00.  
Barrier free lifting device \$140.00.  
Private residence platform lift and private  
residence stairway chairlift       \$15.00.  
Platform lift and stairway chairlift in buildings other  
than private residence       \$40.00.

A final inspection fee is included in the installation permit fee. If a scheduled final inspection is canceled without due notice to the department, or if the elevator is not complete in the judgment of the general inspector, then an additional fee of \$300.00 shall be charged to the elevator contractor.

Major alteration permits  
Elevator alteration application fee (non-refundable) \$60.00.  
First alteration (including 1 final inspection) \$50.00.  
Each additional alteration \$45.00.  
Maximum alteration fee (includes \$60.00 non-refundable application fee) \$280.00.

Certificate of operation  
Annual certificate of operation \$35.00.  
Temporary certificate of operation \$140.00.

Inspection by general inspector  
Inspection \$110.00.  
Follow-up \$110.00.

**Special services**

The department may provide, upon written request, special services that are not otherwise covered in the fee structure. The charge for this service shall be at the rate of \$100.00 per hour including travel time.

(2) Fees that are required pursuant to the provisions of the act shall be paid to the department. Checks or money orders shall be made payable to the "State of Michigan."

History: 2003 MR 23, Eff. Dec. 31, 2003; 2005 MR 19, Eff. Dec. 12, 2005.

**R 408.7020**

**Source:** 2003 AACS.

**R 408.7021**

**Source:** 2003 AACS.

**R 408.7022**

**Annual Administrative Code Supplement**  
**2005 Edition**

**Source:** 2003 AACS.

**R 408.7023**

**Source:** 2003 AACS.

**R 408.7024 Applicability of rules and manual.**

Rule 24. Elevators as defined in section 3 of the act installed before the effective date of this code edition shall comply with the Michigan elevator laws and rules in effect at the time of adoption of this code until the device is altered. All other approved existing features or components of the elevator shall comply with these rules and shall be maintained as described in the American society of mechanical engineers (ASME) guide for inspection of elevators, escalators, and moving walks ASME A17.2-2001, which is adopted in these rules by reference and is available for inspection at the Michigan Department of Labor & Economic Growth, Bureau of Construction Codes and Fire Safety, 6546 Mercantile Way, Lansing, Michigan 48911, or from the American Society of Mechanical Engineers, 22 Law Drive, Box 2900, Fairfield, New Jersey 07007-2900, at a cost as of the time of adoption of these amendatory rules of \$64.00 each.

History: 2003 MR 23, Eff. Dec. 31, 2003; 2005 MR 19, Eff. Dec. 12, 2005.

**R 408.7025**

**Source:** 2003 AACS.

**CHAPTER 2. ALL ELEVATORS**

**R 408.7026**

**Source:** 2003 AACS.

**R 408.7027**

**Source:** 2003 AACS.

**R 408.7028**

**Source:** 2003 AACS.

**R 408.7029**

**Source:** 2003 AACS.

**R 408.7030**

**Source:** 2003 AACS.

**R 408.7031**

**Source:** 2003 AACS.

**CHAPTER 3. ASME A17.1 MODIFICATIONS**

**R 408.7032 Non-fire-resistive construction.**

Rule 32. Section 2.1.1.2.2 of the ASME A17.1 code is amended to read as follows:

2.1.1.2.2 The hoistway shall be fully enclosed conforming to section 2.1.1.2.2(a), (b), and (c), or 2.1.1.2.2(a) and (d) of the ASME A17.1 code.

(1) Enclosures and doors shall be unperforated to a height of 2000 mm (79 inches) above each floor or landing and above the treads of adjacent stairways. The enclosure shall be unperforated, adjacent to, and for 150 mm (6 inches) on either side of any moving equipment that is within 100 mm (4 inches) of the enclosure.

(2) Openwork enclosures, where used above the 2000 mm (79 inches) level, shall reject a ball 25 mm (1 inch) in diameter.

(3) Openwork enclosures shall be the following:

(a) At least 2.2 mm (0.087 inch) thick wire, if of steel wire grille.

(b) At least 2.2 mm (0.087 inch) thick, if of expanded metal.

(c) So supported and braced as to deflect not over 15 mm (0.6 inch) when subjected to a force of 450 N (100 lbf) applied horizontally at any point.

(4) Enclosures may be glass, provided they are laminated glass in compliance with the Michigan building code, R 408.30401 et seq., or CAN/CGSB-12.1, which is adopted by reference in these rules. The standard is available for inspection at the Michigan Department of Labor & Economic Growth, Bureau of Construction Codes and Fire Safety, 6546 Mercantile Way,

**Annual Administrative Code Supplement**  
**2005 Edition**

Lansing, Michigan 48911, or from the Canadian General Standards Board, Sales Center, Place Du Portage, Phase III Floor 6B1, 11 Laurie Street, Hull, Quebec K1A1G6, at a Canadian cost as of the time of adoption of these amendatory rules of \$31.60. Markings as specified in the applicable standard shall be on each separate piece of glass and shall remain visible after installation.

Glass used for the protection of a hoistway shall provide protection to a minimum height of 8 feet above floor or landing.

History: 2003 MR 23, Eff. Dec. 31, 2003; 2005 MR 19, Eff. Dec. 12, 2005.

**R 408.7033**

**Source:** 2003 AACS.

**R 408.7034**

**Source:** 2003 AACS.

**R 408.7035**

**Source:** 2003 AACS.

**R 408.7036**

**Source:** 2003 AACS.

**R 408.7037**

**Source:** 2003 AACS.

**R 408.7037a Illumination of cars and lighting fixtures.**

Rule 37a. Section 2.14.7.1.4 of ASME A17.1 is amended to read as follows:

2.14.7.1.4 Each elevator shall be provided with at least 2 electric light fixtures and a convenience outlet fixture on the car top. The 2 light fixtures combined shall provide an illumination level of not less than 10 fc at the car top. The light fixtures shall be permanent and be of the fixed or portable type and shall be equipped with guards.

History: 2005 MR 19, Eff. Dec. 12, 2005.

**R 408.7038**

**Source:** 2003 AACS.

**R 408.7039 Rescinded**

History: 2003 MR 23, Eff. Dec. 31, 2003; rescinded 2005 MR 19, Eff. Dec. 12, 2005.

**R 408.7040**

**Source:** 2003 AACS.

**R 408.7041**

**Source:** 2003 AACS.

**R 408.7042**

**Source:** 2003 AACS.

**R 408.7043**

**Source:** 2003 AACS.

**R 408.7044**

**Source:** 2003 AACS.

**R 408.7045**

**Source:** 2003 AACS.

**R 408.7046**

**Source:** 2003 AACS.

**R 408.7047**

**Source:** 2003 AACS.

**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.7048**

Source: 2003 AACS.

**R 408.7049**

Source: 2003 AACS.

**R 408.7050**

Source: 2003 AACS.

**R 408.7051**

Source: 2003 AACS.

**R 408.7052**

Source: 2003 AACS.

**R 408.7053**

Source: 2003 AACS.

**R 408.7054 Skirt deflector devices.**

Rule 54. Section 6.1.3.3.10 of the ASME A17.1 code is amended to read as follows:

6.1.3.3.10 Deflector devices shall be permitted. Where provided, deflector devices shall extend from skirt panels parallel to the escalator path of travel. Means to secure such deflector devices may be on the exposed surface of the skirt. All fasteners shall be of steel with machine screw threads. Any exposed fastener heads shall be of the tamper-resistant type and flush to within 1 mm (0.04 inch).

(1) Rigid elements shall be in compliance with the following conditions:

(a) Horizontal protrusions extending above the step shall be 18 mm (0.75 inch) maximum. Corners or changes in profile shall be rounded or beveled. The exposed surfaces of such elements shall be smooth and permanently treated with a low-friction material.

(b) On the incline, the area of any protrusion shall lie entirely offset outward from a line beginning on the vertical portion of the skirt panel measured 25 mm (1 inch) vertically above the step nose line. The lower surface shall be beveled not less than 10 degrees upward and the upper surface shall be beveled not less than 15 degrees downward in compliance with Figure 6.1.3.3.10 of the ASME A17.1 code.

(c) At the upper and lower landing, any protrusion shall lie entirely above a line beginning on the vertical portion of the skirt panel 50 mm (2 inches) above the step nose line. The lower surface shall be beveled not less than 10 degrees upward and the upper surface shall be beveled not less than 15 degrees downward. Any rigid elements at the landings shall smoothly blend into the rigid elements along the incline in accordance with the radius of curvature of the transition zone.

(d) If attached to the skirt, rigid elements shall withstand a force of 900 N (200 lbf) perpendicular to the line of attachment of the element without detachment or permanent deformation. The force shall be applied to an area of 645 mm<sup>2</sup> (1 inch<sup>2</sup>).

(2) Flexible elements shall be in compliance with the following conditions:

(a) The horizontal protrusion extending from the skirt surface above the step shall be 50 mm (2 inches) maximum.

(b) Shall be capable of deflecting to an angle of 10 degrees or greater above the horizontal protrusion.

(c) Noncontinuous flexible elements shall be allowed to deflect to allow a maximum of 9.5 mm (0.375 inch) interference with any point on the step surface.

(d) Continuous flexible elements shall not deflect such that they can contact the steps.

History: 2003 MR 23, Eff. Dec. 31, 2003; 2005 MR 19, Eff. Dec. 12, 2005.

**R 408.7054a Listed/certified devices.**

Rule 54a. Section 8.6.3.7.3 is added to the ASME A17-1 code to read as follows:

8.6.3.7.3 Where a listed or certified device or component is replaced, the replacement shall be manufactured to the specifications at the time the device or component was originally certified, engineering tested or type tested in accordance with section 8.3 of the ASME A17-1 code. Upon request, the contractor shall provide the department supporting documentation of compliance with the original specifications. Documents shall be signed and sealed by a licensed professional engineer acting within his or her discipline.

History: 2005 MR 19, Eff. Dec. 12, 2005.

**R 408.7055**

**Annual Administrative Code Supplement**  
**2005 Edition**

**Source:** 2003 AACs.

**R 408.7056**

**Source:** 2003 AACs.

**R 408.7057**

**Source:** 2003 AACs.

**R 408.7058 Car enclosure alterations.**

Rule 58. Section 8.7.2.14.3 of the ASME A17.1 code is amended to read as follows:

8.7.2.14.3 If any alteration is made to the car enclosure, other than as specified in section 8.7.2.14.2 of the ASME A17.1 code, then the installation shall conform to the following:

(a) Where an existing metal enclosure is retained and new material other than metal, is installed, the car enclosure shall conform to section 2.14.2.1.1 of the ASME A17.1 code.

(b) All materials, other than metal or glass, which are used in passenger car enclosure walls and ceilings, and which are not tested in their end use configuration shall be tested individually pursuant to ASTM E 84, UL 723, or NFPA 255, which are adopted by reference in these rules, and the results shall be in compliance with a class A rating, that has a flame spread of 0 - 25 and smoke development of 0 - 450. The ASTM E 84, UL 723, or NFPA 255 standards are available for inspection at the Michigan Department of Labor & Economic Growth, Bureau of Construction Codes and Fire Safety, 6546 Mercantile Way, Lansing, Michigan 48911, or from the American Society for Testing and Materials, 100 Bar Harbor Drive, 2 Conshohocken, PA 19428-2959 (ASTM E 84); COMM 2000, 1414 Brook Drive, Downers Grove, IL 60515 (UL 723); National Fire Protection Association, 11 Tracey Drive, Avon, MA 02322 (NFPA 255) at a cost as of the time of adoption of these amendatory rules of \$39.00, \$560.00, and \$25.50 respectively.

(c) Napped, tufted, woven, looped, and similar materials shall conform to sections 2.14.2.1.1 and 2.14.2.1.2 or sections 8.7.2.14.3(b), 8.3.7, and 8.3.8 of the ASME A17.1 code. Adhesives shall conform to section 8.7.2.14.3(b) of the ASME A17.1 code.

(d) Floor covering, underlayment, and its adhesive shall have a critical radiant flux of not less than 0.45 w/cm<sup>2</sup> as measured by ASTM E 648 which is adopted by reference in these rules. The standard is available for inspection at the Michigan Department of Labor & Economic Growth, Bureau of Construction Codes and Fire Safety 6546 Mercantile Way, Lansing, Michigan 48911, or from the American Society for Testing and Materials, 100 Bar Harbor Drive, 2 Conshohocken, PA 19428-2959, at a cost as of the time of adoption of these amendatory rules of \$39.00.

(e) Handrails, operating devices, ventilating devices, signal fixtures, audio and visual communications devices and their housings are not required to conform to section 8.7.2.14.3(a) to (d) of the ASME A17.1 code.

History: 2003 MR 23, Eff. Dec. 31, 2003; 2005 MR 19, Eff. Dec. 12, 2005.

**R 408.7059**

**Source:** 2003 AACs.

R 408.7060 Three-year inspection and test requirements.

Rule 60. Section 8.11.3.3.3 is added to the ASME A17.1 code to read as follows:

8.11.3.3.3 (1) Cylinders shall be tested at intervals of not more than 36 months.

(2) Three-year inspection and test requirements.

(a) The relief valve setting shall be in compliance with section 3.19.4.2 of the ASME A17.1 code. The relief valve shall be resealed if the relief valve setting is altered or if the seal is broken.

(b) Test the relief valve setting by first inching the empty car upward to engage the plunger stop ring or to engage other suitable blocking provided and then apply pressure from the pump to check the setting.

Procedures for set test are as follows:

(i) Put rated load in the car and locate it at any convenient level.

(ii) Open the disconnect switch and locate the elevation of the platform with respect to a convenient reference.

(iii) For cylinders that are not completely exposed, after not less than 2 hours, note the position of the platform with respect to the chosen reference. For cylinders that are completely exposed, after not less than 30 minutes, note the position of the platform with respect to the chosen reference. A change in the car position during a cylinder test that cannot be accounted for by visible oil leakage or temperature change of the oil indicates a failure of some type requiring further inspections, tests, or repairs. An accessible written record of all oil levels and all oil added shall be maintained in the machine room.

History: 2003 MR 23, Eff. Dec. 31, 2003; 2005 MR 19, Eff. Dec. 12, 2005.

**CHAPTER 4. ASME A18.1 MODIFICATIONS**

**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.7061**  
**Source:** 2003 AACCS.

**R 408.7062**  
**Source:** 2003 AACCS.

**R 408.7063**  
**Source:** 2003 AACCS.

**R 408.7064**  
**Source:** 2003 AACCS.

**R 408.7065**  
**Source:** 2003 AACCS.

**R 408.7066**  
**Source:** 2003 AACCS.

**R 408.7067**  
**Source:** 2003 AACCS.

**R 408.7068**  
**Source:** 2003 AACCS.

**CHAPTER 5. ASME A90-1 MODIFICATIONS**

**R 408.7069 Applicability of national standard and rules of board.**

Rule 69. (1) The standards contained in the American society of mechanical engineers (ASME) safety standard for belt manlifts, ASME A90.1-2003 are adopted in these rules by reference and are available for inspection at the Michigan Department of Labor & Economic Growth, Bureau of Construction Codes and Fire Safety, 6546 Mercantile Way, Lansing, Michigan 48911, or from the American Society of Mechanical Engineers, 22 Law Drive, Box 2900, Fairfield, New Jersey 07007-02900, at a cost as of the time of adoption of these amendatory rules of \$57.00.

(2) This rule applies to manlifts that are used only to carry plant personnel in granaries, flour mills, parking garages, and similar buildings or occupancies. Belt manlifts shall not be used by the public and, if located in buildings to which the public has access, shall be located in an enclosure that is protected by self-closing, spring-locked doors. Keys to the doors shall be available to employees. The use of belt manlifts during construction is prohibited.

(3) The hoistway enclosure shall be in compliance with the requirements of the Michigan building code, R 408.30401 et seq., and shall maintain the fire rating of the structure.

(4) The travel of any single belt manlift installed after February 14, 1968 shall not exceed 100 feet.

History: 2003 MR 23, Eff. Dec. 31, 2003; 2005 MR 19, Eff. Dec. 12, 2005.

**CHAPTER 6. ANSI A10.4 MODIFICATIONS**

**R 408.7070 Applicability of national standard.**

Rule 70. The standards contained in the American national standards institute (ANSI) safety requirements for personnel hoists and employee elevators for construction and demolition operations, A10.4-2004, with the exception of sections 24.1.2.1 and 26.4.8.1 are adopted by reference in these rules and are available for inspection at the Michigan Department of Labor & Economic Growth, Bureau of Construction Codes and Fire Safety, 6546 Mercantile Way, Lansing, Michigan 48911, or from the American National Standards Institute, 1430 Broadway, New York, New York 10018, at a cost as of the time of adoption of these amendatory rules of \$54.00.

History: 2003 MR 23, Eff. Dec. 31, 2003; 2005 MR 19, Eff. Dec. 12, 2005.

**R 408.7071**  
**Source:** 2003 AACCS.

**R 408.7072**



**Annual Administrative Code Supplement**  
**2005 Edition**

**Source:** 2003 AACS.

**R 408.7073**

**Source:** 2003 AACS.

**R 408.7074**

**Source:** 2003 AACS.

**R 408.7075**

**Source:** 2003 AACS.

**R 408.7076**

**Source:** 2003 AACS.

**R 408.7077**

**Source:** 2003 AACS.

**R 408.7078**

**Source:** 2003 AACS.

**R 408.7079**

**Source:** 2003 AACS.

**R 408.7080**

**Source:** 2003 AACS.

**R 408.7081**

**Source:** 2003 AACS.

**CHAPTER 7. SEWER LIFT STATION PERSONNEL ELEVATORS**

**R 408.7082**

**Source:** 2003 AACS.

**R 408.7083**

**Source:** 2003 AACS.

**R 408.7084**

**Source:** 2003 AACS.

**R 408.7085**

**Source:** 2003 AACS.

**R 408.7086**

**Source:** 2003 AACS.

**R 408.7087**

**Source:** 2003 AACS.

**R 408.7088**

**Source:** 2003 AACS.

**R 408.7089**

**Source:** 2003 AACS.

**R 408.7090**

**Source:** 2003 AACS.

**R 408.7091**

**Annual Administrative Code Supplement**  
**2005 Edition**

**Source:** 2003 AACS.

**R 408.7092**

**Source:** 2003 AACS.

**R 408.7093**

**Source:** 2003 AACS.

**R 408.7094**

**Source:** 2003 AACS.

**R 408.7095**

**Source:** 2003 AACS.

**R 408.7096**

**Source:** 2003 AACS.

**R 408.7097**

**Source:** 2003 AACS.

**R 408.7098**

**Source:** 2003 AACS.

**R 408.7099**

**Source:** 2003 AACS.

**R 408.7100**

**Source:** 2003 AACS.

**R 408.7102**

**Source:** 2003 AACS.

**R 408.7103**

**Source:** 2003 AACS.

**R 408.8101**

**Source:** 2003 AACS.

**R 408.8103**

**Source:** 2003 AACS.

**R 408.8108**

**Source:** 2003 AACS.

**R 408.8111**

**Source:** 2003 AACS.

**R 408.8121**

**Source:** 2003 AACS.

**R 408.8122**

**Source:** 2003 AACS.

**R 408.8123**

**Source:** 2003 AACS.

**R 408.8124**

**Source:** 2003 AACS.

**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.8131**  
Source: 2003 AACs.

**R 408.8132**  
Source: 2003 AACs.

**R 408.8133**  
Source: 2003 AACs.

**R 408.8134**  
Source: 2003 AACs.

**R 408.8135**  
Source: 2003 AACs.

**R 408.8136**  
Source: 2003 AACs.

**R 408.8137**  
Source: 2003 AACs.

**R 408.8138**  
Source: 2003 AACs.

**R 408.8139**  
Source: 2003 AACs.

**R 408.8141**  
Source: 2003 AACs.

**R 408.8145**  
Source: 2003 AACs.

**R 408.8149**  
Source: 2003 AACs.

**R 408.8150**  
Source: 2003 AACs.

**R 408.8151**  
Source: 2003 AACs.

**R 408.8152**  
Source: 2003 AACs.

**R 408.8153**  
Source: 2003 AACs.

**R 408.8161**  
Source: 2003 AACs.

**R 408.8171**  
Source: 2003 AACs.

**R 408.8201**  
Source: 2003 AACs.

**R 408.8202**

**Annual Administrative Code Supplement**  
**2005 Edition**

**Source:** 2003 AACS.

**R 408.8203**

**Source:** 2003 AACS.

**R 408.8205**

**Source:** 2003 AACS.

**R 408.8206**

**Source:** 2003 AACS.

**R 408.8211**

**Source:** 2003 AACS.

**R 408.8212**

**Source:** 2003 AACS.

**R 408.8213**

**Source:** 2003 AACS.

**R 408.8214**

**Source:** 2003 AACS.

**R 408.8215**

**Source:** 2003 AACS.

**R 408.8216**

**Source:** 2003 AACS.

**R 408.8217**

**Source:** 2003 AACS.

**R 408.8218**

**Source:** 2003 AACS.

**R 408.8219**

**Source:** 2003 AACS.

**R 408.8220**

**Source:** 2003 AACS.

**R 408.8221**

**Source:** 2003 AACS.

**R 408.8222**

**Source:** 2003 AACS.

**R 408.8223**

**Source:** 2003 AACS.

**R 408.8224**

**Source:** 2003 AACS.

**R 408.8225**

**Source:** 2003 AACS.

**R 408.8226**

**Source:** 2003 AACS.

**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.8227**  
Source: 2003 AACs.

**R 408.8228**  
Source: 2003 AACs.

**R 408.8229**  
Source: 2003 AACs.

**R 408.8230**  
Source: 2003 AACs.

**R 408.8231**  
Source: 2003 AACs.

**R 408.8232**  
Source: 2003 AACs.

**R 408.8233**  
Source: 2003 AACs.

**R 408.8234**  
Source: 2003 AACs.

**R 408.8235**  
Source: 2003 AACs.

**R 408.8236**  
Source: 2003 AACs.

**R 408.8237**  
Source: 2003 AACs.

**R 408.8238**  
Source: 2003 AACs.

**R 408.8241**  
Source: 2003 AACs.

**R 408.8242**  
Source: 2003 AACs.

**R 408.8243**  
Source: 2003 AACs.

**R 408.8244**  
Source: 2003 AACs.

**R 408.8245**  
Source: 2003 AACs.

**R 408.8246**  
Source: 2003 AACs.

**R 408.8247**  
Source: 2003 AACs.

**R 408.8248**

**Annual Administrative Code Supplement**  
**2005 Edition**

**Source:** 2003 AACS.

**R 408.8249**

**Source:** 2003 AACS.

**R 408.8250**

**Source:** 2003 AACS.

**R 408.8251**

**Source:** 2003 AACS.

**R 408.8252**

**Source:** 2003 AACS.

**R 408.8253**

**Source:** 2003 AACS.

**R 408.8254**

**Source:** 2003 AACS.

**R 408.8255**

**Source:** 2003 AACS.

**R 408.8256**

**Source:** 2003 AACS.

**R 408.8257**

**Source:** 2003 AACS.

**R 408.8258**

**Source:** 2003 AACS.

**R 408.8259**

**Source:** 2003 AACS.

**R 408.8260**

**Source:** 2003 AACS.

**R 408.8261**

**Source:** 2003 AACS.

**R 408.8262**

**Source:** 2003 AACS.

**R 408.8263**

**Source:** 2003 AACS.

**R 408.8264**

**Source:** 2003 AACS.

**R 408.8265**

**Source:** 2003 AACS.

**R 408.8266**

**Source:** 2003 AACS.

**R 408.8267**

**Source:** 2003 AACS.

**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.8268**  
Source: 2003 AACCS.

**R 408.8269**  
Source: 2003 AACCS.

**R 408.8270**  
Source: 2003 AACCS.

**R 408.8271**  
Source: 2003 AACCS.

**R 408.8281**  
Source: 2003 AACCS.

**R 408.8282**  
Source: 2003 AACCS.

**R 408.8283**  
Source: 2003 AACCS.

**R 408.8284**  
Source: 2003 AACCS.

**R 408.8285**  
Source: 2003 AACCS.

**R 408.8286**  
Source: 2003 AACCS.

**R 408.8287**  
Source: 2003 AACCS.

**R 408.8288**  
Source: 2003 AACCS.

**R 408.8289**  
Source: 2003 AACCS.

**R 408.8290**  
Source: 2003 AACCS.

**R 408.8291**  
Source: 2003 AACCS.

**R 408.8292**  
Source: 2003 AACCS.

**R 408.8293**  
Source: 2003 AACCS.

**R 408.8294**  
Source: 2003 AACCS.

**R 408.8295**  
Source: 2003 AACCS.

**R 408.8296**

**Annual Administrative Code Supplement**  
**2005 Edition**

**Source:** 2003 AACS.

**R 408.8301**

**Source:** 2003 AACS.

**R 408.8302**

**Source:** 2003 AACS.

**R 408.8303**

**Source:** 2003 AACS.

**R 408.8304**

**Source:** 2003 AACS.

**R 408.8305**

**Source:** 2003 AACS.

**R 408.8306**

**Source:** 2003 AACS.

**R 408.8307**

**Source:** 2003 AACS.

**R 408.8308**

**Source:** 2003 AACS.

**R 408.8309**

**Source:** 2003 AACS.

**R 408.8310**

**Source:** 2003 AACS.

**R 408.8311**

**Source:** 2003 AACS.

**R 408.8312**

**Source:** 2003 AACS.

**R 408.8313**

**Source:** 2003 AACS.

**R 408.8321**

**Source:** 2003 AACS.

**R 408.8322**

**Source:** 2003 AACS.

**R 408.8323**

**Source:** 2003 AACS.

**R 408.8324**

**Source:** 2003 AACS.

**R 408.8325**

**Source:** 2003 AACS.

**R 408.8326**

**Source:** 2003 AACS.



**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.8327**  
Source: 2003 AACCS.

**R 408.8328**  
Source: 2003 AACCS.

**R 408.8329**  
Source: 2003 AACCS.

**R 408.8341**  
Source: 2003 AACCS.

**R 408.8361**  
Source: 2003 AACCS.

**R 408.8362**  
Source: 2003 AACCS.

**R 408.8363**  
Source: 2003 AACCS.

**R 408.8364**  
Source: 2003 AACCS.

**R 408.8365**  
Source: 2003 AACCS.

**R 408.8401**  
Source: 2003 AACCS.

**R 408.8403**  
Source: 2003 AACCS.

**R 408.8411**  
Source: 2003 AACCS.

**R 408.8415**  
Source: 2003 AACCS.

**R 408.8421**  
Source: 2003 AACCS.

**R 408.8422**  
Source: 2003 AACCS.

**R 408.8423**  
Source: 2003 AACCS.

**R 408.8424**  
Source: 2003 AACCS.

**R 408.8425**  
Source: 2003 AACCS.

**R 408.8426**  
Source: 2003 AACCS.

**R 408.8427**

**Annual Administrative Code Supplement**  
**2005 Edition**

**Source:** 2003 AACS.

**R 408.8428**

**Source:** 2003 AACS.

**R 408.8429**

**Source:** 2003 AACS.

**R 408.8430**

**Source:** 2003 AACS.

**R 408.8431**

**Source:** 2003 AACS.

**R 408.8432**

**Source:** 2003 AACS.

**R 408.8433**

**Source:** 2003 AACS.

**R 408.8434**

**Source:** 2003 AACS.

**R 408.8435**

**Source:** 2003 AACS.

**R 408.8436**

**Source:** 2003 AACS.

**R 408.8437**

**Source:** 2003 AACS.

**R 408.8438**

**Source:** 2003 AACS.

**R 408.8439**

**Source:** 2003 AACS.

**R 408.8440**

**Source:** 2003 AACS.

**R 408.8441**

**Source:** 2003 AACS.

**R 408.8451**

**Source:** 2003 AACS.

**R 408.8452**

**Source:** 2003 AACS.

**R 408.8453**

**Source:** 2003 AACS.

**R 408.8454**

**Source:** 2003 AACS.

**R 408.8455**

**Source:** 2003 AACS.

**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.8456**  
Source: 2003 AACCS.

**R 408.8457**  
Source: 2003 AACCS.

**R 408.8458**  
Source: 2003 AACCS.

**R 408.8459**  
Source: 2003 AACCS.

**R 408.8460**  
Source: 2003 AACCS.

**R 408.8461**  
Source: 2003 AACCS.

**R 408.8462**  
Source: 2003 AACCS.

**R 408.8463**  
Source: 2003 AACCS.

**R 408.8464**  
Source: 2003 AACCS.

**R 408.8465**  
Source: 2003 AACCS.

**R 408.8466**  
Source: 2003 AACCS.

**R 408.8467**  
Source: 2003 AACCS.

**R 408.8468**  
Source: 2003 AACCS.

**R 408.8469**  
Source: 2003 AACCS.

**R 408.8470**  
Source: 2003 AACCS.

**R 408.8471**  
Source: 2003 AACCS.

**R 408.8472**  
Source: 2003 AACCS.

**R 408.8473**  
Source: 2003 AACCS.

**R 408.8474**  
Source: 2003 AACCS.

**R 408.8475**

**Annual Administrative Code Supplement**  
**2005 Edition**

**Source:** 2003 AACS.

**R 408.8476**

**Source:** 2003 AACS.

**R 408.8477**

**Source:** 2003 AACS.

**R 408.8478**

**Source:** 2003 AACS.

**R 408.8481**

**Source:** 2003 AACS.

**R 408.8483**

**Source:** 2003 AACS.

**R 408.8484**

**Source:** 2003 AACS.

**R 408.8511**

**Source:** 2003 AACS.

**R 408.8512**

**Source:** 2003 AACS.

**R 408.8513**

**Source:** 2003 AACS.

**R 408.8514**

**Source:** 2003 AACS.

**R 408.8515**

**Source:** 2003 AACS.

**R 408.8516**

**Source:** 2003 AACS.

**R 408.8517**

**Source:** 2003 AACS.

**R 408.8518**

**Source:** 2003 AACS.

**R 408.8519a**

**Source:** 2003 AACS.

**R 408.8520**

**Source:** 2003 AACS.

**R 408.8523a**

**Source:** 2003 AACS.

**R 408.8524**

**Source:** 2003 AACS.

**R 408.8525**

**Source:** 2003 AACS.

**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.8531**  
Source: 2003 AACCS.

**R 408.8532**  
Source: 2003 AACCS.

**R 408.8533**  
Source: 2003 AACCS.

**R 408.8534**  
Source: 2003 AACCS.

**R 408.8535**  
Source: 2003 AACCS.

**R 408.8536**  
Source: 2003 AACCS.

**R408.8536a**  
Source: 2003 AACCS.

**R 408.8537a**  
Source: 2003 AACCS.

**R 408.8538**  
Source: 2003 AACCS.

**R 408.8539**  
Source: 2003 AACCS.

**R 408.8540**  
Source: 2003 AACCS.

**R 408.8540a**  
Source: 2003 AACCS.

**R 408.8540b**  
Source: 2003 AACCS.

**R 408.8540c**  
Source: 2003 AACCS.

**R 408.8541**  
Source: 2003 AACCS.

**R 408.8542**  
Source: 2003 AACCS.

**R 408.8543**  
Source: 2003 AACCS.

**R 408.8544**  
Source: 2003 AACCS.

**R 408.8545**  
Source: 2003 AACCS.

**R 408.8546**

**Annual Administrative Code Supplement**  
**2005 Edition**

**Source:** 2003 AACS.

**R 408.8547**

**Source:** 2003 AACS.

**R 408.8548**

**Source:** 2003 AACS.

**R 408.8549**

**Source:** 2003 AACS.

**R 408.8550**

**Source:** 2003 AACS.

**R 408.8551**

**Source:** 2003 AACS.

**R 408.8552**

**Source:** 2003 AACS.

**R 408.8553**

**Source:** 2003 AACS.

**R 408.8554**

**Source:** 2003 AACS.

**R 408.8555**

**Source:** 2003 AACS.

**R 408.8556**

**Source:** 2003 AACS.

**R 408.8561**

**Source:** 2003 AACS.

**R 408.8562**

**Source:** 2003 AACS.

**R 408.8563**

**Source:** 2003 AACS.

**R 408.8571**

**Source:** 2003 AACS.

**R 408.8572**

**Source:** 2003 AACS.

**R 408.8573**

**Source:** 2003 AACS.

**R 408.8574**

**Source:** 2003 AACS.

**R 408.8575**

**Source:** 2003 AACS.

**R 408.8576**

**Source:** 2003 AACS.

**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.8577**  
Source: 2003 AACCS.

**R 408.8578**  
Source: 2003 AACCS.

**R 408.8579**  
Source: 2003 AACCS.

**R 408.8580**  
Source: 2003 AACCS.

**R 408.8581**  
Source: 2003 AACCS.

**R 408.8582**  
Source: 2003 AACCS.

**R 408.8583**  
Source: 2003 AACCS.

**R 408.8585**  
Source: 2003 AACCS.

**R 408.8587**  
Source: 2003 AACCS.

**R 408.8588**  
Source: 2003 AACCS.

**R 408.8589**  
Source: 2003 AACCS.

**R 408.8590**  
Source: 2003 AACCS.

**R 408.8591**  
Source: 2003 AACCS.

**R 408.8592**  
Source: 2003 AACCS.

**R 408.8595**  
Source: 2003 AACCS.

**R 408.8596**  
Source: 2003 AACCS.

**R 408.8601**  
Source: 2003 AACCS.

**R 408.8611**  
Source: 2003 AACCS.

**R 408.8612**  
Source: 2003 AACCS.

**R 408.8613**

**Annual Administrative Code Supplement**  
**2005 Edition**

**Source:** 2003 AACS.

**R 408.8614**

**Source:** 2003 AACS.

**R 408.8615**

**Source:** 2003 AACS.

**R 408.8616**

**Source:** 2003 AACS.

**R 408.8617**

**Source:** 2003 AACS.

**R 408.8618**

**Source:** 2003 AACS.

**R 408.8619**

**Source:** 2003 AACS.

**R 408.8620**

**Source:** 2003 AACS.

**R 408.8621**

**Source:** 2003 AACS.

**R 408.8631**

**Source:** 2003 AACS.

**R 408.8632a**

**Source:** 2003 AACS.

**R 408.8634**

**Source:** 2003 AACS.

**R 408.8636a**

**Source:** 2003 AACS.

**R 408.8638**

**Source:** 2003 AACS.

**R 408.8639**

**Source:** 2003 AACS.

**R 408.8639b**

**Source:** 2003 AACS.

**R 408.8641**

**Source:** 2003 AACS.

**R 408.8642**

**Source:** 2003 AACS.

**R 408.8643**

**Source:** 2003 AACS.

**R 408.8644**

**Source:** 2003 AACS.



**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.8648**  
Source: 2003 AACS.

**R 408.8661**  
Source: 2003 AACS.

**R 408.8662**  
Source: 2003 AACS.

**R 408.8664**  
Source: 2003 AACS.

**R 408.8671**  
Source: 2003 AACS.

**R 408.8681**  
Source: 2003 AACS.

**R 408.8682**  
Source: 2003 AACS.

**R 408.8683**  
Source: 2003 AACS.

**R 408.8690**  
Source: 2003 AACS.

**R 408.8691**  
Source: 2003 AACS.

**R 408.8691a**  
Source: 2003 AACS.

**R 408.8691b**  
Source: 2003 AACS.

**R 408.8692**  
Source: 2003 AACS.

**R 408.8693**  
Source: 2003 AACS.

**R 408.8694**  
Source: 2003 AACS.

**R 408.8695**  
Source: 2003 AACS.

**PAYMENT OF WAGES AND FRINGE BENEFITS**

**R 408.9001**  
Source: 1998-2000 AACS.

**R 408.9002**  
Source: 2003 AACS.

**R 408.9003**  
Source: 1998-2000 AACS.

**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.9004**  
Source: 1998-2000 AACS.

**R 408.9005**  
Source: 1998-2000 AACS.

**R 408.9006**  
Source: 1998-2000 AACS.

**R 408.9007**  
Source: 1998-2000 AACS.

**R 408.9008**  
Source: 1998-2000 AACS.

**R 408.9009**  
Source: 1998-2000 AACS.

**R 408.9010**  
Source: 1998-2000 AACS.

**R 408.9011**  
Source: 1998-2000 AACS.

**R 408.9012**  
Source: 2003 AACS.

**R 408.9013**  
Source: 1998-2000 AACS.

**R 408.9014**  
Source: 1998-2000 AACS.

**R 408.9015**  
Source: 1998-2000 AACS.

**R 408.9016**  
Source: 1998-2000 AACS.

**R 408.9017**  
Source: 1998-2000 AACS.

**R 408.9018**  
Source: 1982 AACS.

**R 408.9019**  
Source: 2003 AACS.

**R 408.9020**  
Source: 1998-2000 AACS.

**R 408.9021**  
Source: 1998-2000 AACS.

**R 408.9022**  
Source: 1998-2000 AACS.

**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.9023**  
Source: 1998-2000 AACS.

**R 408.9024**  
Source: 1998-2000 AACS.

**R 408.9025**  
Source: 1998-2000 AACS.

**R 408.9026**  
Source: 1998-2000 AACS.

**R 408.9027**  
Source: 1998-2000 AACS.

**R 408.9028**  
Source: 1998-2000 AACS.

**R 408.9029**  
Source: 1998-2000 AACS.

**R 408.9030**  
Source: 1998-2000 AACS.

**R 408.9031**  
Source: 1998-2000 AACS.

**R 408.9032**  
Source: 1998-2000 AACS.

**R 408.9033**  
Source: 1998-2000 AACS.

**R 408.9034**  
Source: 1997 AACS.

**GENERAL INDUSTRY SAFETY STANDARDS**

**PART 1. GENERAL PROVISIONS**

**R 408.10003**  
Source: 1993 AACS.

**R 408.10015**  
Source: 1988 AACS.

**R 408.10016**  
Source: 1983 AACS.

**R 408.10018**  
Source: 1981 AACS.

**R 408.10032**  
Source: 1997 AACS.

**R 408.10033**  
Source: 1993 AACS.

**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.10036**  
Source: 1983 AACS.

**R 408.10037**  
Source: 1993 AACS.

**R 408.10098**  
Source: 1993 AACS.

**PART 1A. ABRASIVE WHEELS**

**R 408.10102**  
Source: 1990 AACS.

**R 408.10103**  
Source: 1990 AACS.

**R 408.10105**  
Source: 1990 AACS.

**R 408.10115**  
Source: 1990 AACS.

**GUARDING PROVISIONS**

**R 408.10121**  
Source: 1990 AACS.

**R 408.10124**  
Source: 1990 AACS.

**SPEED PROVISIONS**

**R 408.10171**  
Source: 1997 AACS.

**R 408.10172**  
Source: 1997 AACS.

**R 408.10173**  
Source: 1990 AACS.

**R 408.10174**  
Source: 1990 AACS.

**R 408.10175**  
Source: 1990 AACS.

**SPECIAL SPEEDS**

**R 408.10177**  
Source: 1990 AACS.

**OPERATING PROVISIONS**

**R 408.10181**  
Source: 1990 AACS.

**R 408.10186**

**Annual Administrative Code Supplement**  
**2005 Edition**

**Source:** 1990 AACS.

**R 408.10187**

**Source:** 1990 AACS.

**R 408.10198**

**Source:** 1990 AACS.

**R 408.10199**

**Source:** 1990 AACS.

**PART 2. FLOOR AND WALL OPENINGS, STAIRWAYS, AND SKYLIGHTS**

**R 408.10201**

**Source:** 1989 AACS.

**R 408.10206**

**Source:** 1989 AACS.

**R 408.10208**

**Source:** 1989 AACS.

**R 408.10217**

**Source:** 1989 AACS.

**R 408.10219**

**Source:** 1989 AACS.

**R 408.10223**

**Source:** 1989 AACS.

**R 408.10228**

**Source:** 1989 AACS.

**R 408.10230**

**Source:** 1989 AACS.

**R 408.10231**

**Source:** 1989 AACS.

**R 408.10233**

**Source:** 1989 AACS.

**R 408.10235**

**Source:** 1989 AACS.

**R 408.10236**

**Source:** 1989 AACS.

**R 408.10237**

**Source:** 1989 AACS.

**R 408.10240**

**Source:** 1989 AACS.

**PART 3. FIXED LADDERS**

**R 408.10305**

**Source:** 1994 AACS.

**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.10306**  
Source: 1994 AACS.

**R 408.10307**  
Source: 1994 AACS.

**R 408.10308**  
Source: 1994 AACS.

**R 408.10310**  
Source: 1994 AACS.

**R 408.10311**  
Source: 1994 AACS.

**R 408.10323**  
Source: 1994 AACS.

**R 408.10324**  
Source: 1994 AACS.

**R 408.10333**  
Source: 1994 AACS.

**R 408.10342**  
Source: 1994 AACS.

**R 408.10345**  
Source: 1994 AACS.

**R 408.10351**  
Source: 1998-2000 AACS.

**R 408.10354**  
Source: 1994 AACS.

**R 408.10355**  
Source: 1994 AACS.

**R 408.10365**  
Source: 1982 AACS.

**R 408.10371**  
Source: 1994 AACS.

**R 408.10372**  
Source: 1994 AACS.

**PART 4. PORTABLE LADDERS**

**R 408.10403**  
Source: 1981 AACS.

**R 408.10407**  
Source: 1982 AACS.

**R 408.10426**  
Source: 1997 AACS.

**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.10427**  
Source: 1981 AACS.

**R 408.10428**  
Source: 1981 AACS.

**R 408.10431**  
Source: 1982 AACS.

**R 408.10441**  
Source: 1981 AACS.

**R 408.10446**  
Source: 1982 AACS.

**R 408.10447**  
Source: 1981 AACS.

**R 408.10451**  
Source: 1981 AACS.

**PART 5. SCAFFOLDING**

**R 408.10502**  
Source: 1992 AACS.

**R 408.10503**  
Source: 1992 AACS.

**R 408.10506**  
Source: 1992 AACS.

**R 408.10507**  
Source: 1992 AACS.

**R 408.10508**  
Source: 1992 AACS.

**R 408.10511**  
Source: 1983 AACS.

**R 408.10512**  
Source: 1981 AACS.

**R 408.10513**  
Source: 1983 AACS.

**R 408.10521**  
Source: 1981 AACS.

**R 408.10524**  
Source: 1981 AACS.

**R 408.10525**  
Source: 1983 AACS.

**R 408.10527**  
Source: 1981 AACS.

**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.10529**  
Source: 1983 AACS.

**R 408.10532**  
Source: 1983 AACS.

**R 408.10535**  
Source: 1983 AACS.

**R 408.10542**  
Source: 1981 AACS.

**POWERED PLATFORMS**

**R 408.10561**  
Source: 1992 AACS.

**R 408.10562**  
Source: 1992 AACS.

**R 408.10563**  
Source: 1992 AACS.

**R 408.10564**  
Source: 1992 AACS.

**R 408.10565**  
Source: 1992 AACS.

**R 408.10566**  
Source: 1992 AACS.

**R 408.10567**  
Source: 1992 AACS.

**R 408.10568**  
Source: 1992 AACS.

**R 408.10569**  
Source: 1992 AACS.

**R 408.10570**  
Source: 1992 AACS.

**R 408.10571**  
Source: 1992 AACS.

**R 408.10572**  
Source: 1992 AACS.

**R 408.10573**  
Source: 1992 AACS.

**R 408.10574**  
Source: 1992 AACS.

**R 408.10575**  
Source: 1992 AACS.



**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.10576**  
Source: 1992 AACS.

**R 408.10577**  
Source: 1992 AACS.

**R 408.10578**  
Source: 1992 AACS.

**R 408.10579**  
Source: 1992 AACS.

**R 408.10580**  
Source: 1992 AACS.

**R 408.10581**  
Source: 1992 AACS.

**WIRE, FIBER, AND SYNTHETIC ROPE**

**R 408.10582**  
Source: 1992 AACS.

**R 408.10583**  
Source: 1992 AACS.

**R 408.10584**  
Source: 1992 AACS.

**R 408.10585**  
Source: 1992 AACS.

**R 408.10586**  
Source: 1992 AACS.

**R 408.10587**  
Source: 1992 AACS.

**R 408.10588**  
Source: 1992 AACS.

**R 408.10589**  
Source: 1992 AACS.

**R 408.10590**  
Source: 1992 AACS.

**R 408.10591**  
Source: 1992 AACS.

**R 408.10592**  
Source: 1992 AACS.

**PART 6. FIRE EXITS**

**GENERAL PROVISIONS**

**R 408.10601**

**Annual Administrative Code Supplement**  
**2005 Edition**

**Source:** 1990 AACS.

**R 408.10603**

**Source:** 1990 AACS.

**R 408.10604**

**Source:** 1990 AACS.

**R 408.10605**

**Source:** 1990 AACS.

**R 408.10608**

**Source:** 1990 AACS.

**R 408.10611**

**Source:** 1990 AACS.

**CLASSES OF OCCUPANCY AND HAZARD OF CONTENTS**

**R 408.10621**

**Source:** 1990 AACS.

**R 408.10623**

**Source:** 1993 AACS.

**R 408.10624**

**Source:** 1993 AACS.

**MEANS OF EGRESS**

**R 408.10634**

**Source:** 1990 AACS.

**R 408.10636**

**Source:** 1990 AACS.

**R 408.10639**

**Source:** 1990 AACS.

**R 408.10644**

**Source:** 1990 AACS.

**R 408.10645**

**Source:** 1990 AACS.

**R 408.10647**

**Source:** 1990 AACS.

**R 408.10664**

**Source:** 1990 AACS.

**R 408.10679**

**Source:** 1998-2000 AACS.

**R 408.10695**

**Source:** 1990 AACS.

**PART 7. GUARDS FOR POWER TRANSMISSION**

**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.10703**  
Source: 1982 AACS.

**R 408.10711**  
Source: 1982 AACS.

**R 408.10712**  
Source: 1982 AACS.

**R 408.10713**  
Source: 1982 AACS.

**R 408.10714**  
Source: 1997 AACS.

**R 408.10715**  
Source: 1982 AACS.

**R 408.10716**  
Source: 1982 AACS.

**R 408.10721**  
Source: 1982 AACS.

**R 408.10722**  
Source: 1982 AACS.

**R 408.10725**  
Source: 1982 AACS.

**R 408.10726**  
Source: 1982 AACS.

**R 408.10727**  
Source: 1982 AACS.

**R 408.10730**  
Source: 1982 AACS.

**R 408.10731**  
Source: 1982 AACS.

**R 408.10734**  
Source: 1982 AACS.

**R 408.10741**  
Source: 1982 AACS.

**R 408.10744**  
Source: 1982 AACS.

**R 408.10753**  
Source: 1982 AACS.

**R 408.10754**  
Source: 1982 AACS.

**R 408.10757**  
Source: 1997 AACS.

**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.10763**  
**Source:** 1982 AACS.

**PART 8. PORTABLE FIRE EXTINGUISHERS**

**GENERAL PROVISIONS**

**R 408.10801**  
**Source:** 1984 AACS.

**R 408.10813**  
**Source:** 1984 AACS.

**R 408.10814**  
**Source:** 1980 AACS.

**DISTRIBUTION**

**R 408.10822**  
**Source:** 1984 AACS.

**R 408.10823**  
**Source:** 1980 AACS.

**R 408.10833**  
**Source:** 1980 AACS.

**INSTALLATION, INSPECTION, TESTING, AND MAINTENANCE**

**R 408.10835**  
**Source:** 1984 AACS.

**R 408.10836**  
**Source:** 1984 AACS.

**R 408.10839**  
**Source:** 1984 AACS.

**PART 9. FIXED FIRE EQUIPMENT**

**GENERAL PROVISIONS**

**R 408.10901**  
**Source:** 1984 AACS.

**R 408.10903**  
**Source:** 1984 AACS.

**R 408.10913**  
**Source:** 1984 AACS.

**R 408.10919**  
**Source:** 1984 AACS.

**R 408.10920**  
**Source:** 1984 AACS.

**Annual Administrative Code Supplement**  
**2005 Edition**

**AUTOMATIC SPRINKLER SYSTEMS**

**R 408.10921**  
**Source:** 1984 AACS.

**R 408.10925**  
**Source:** 1984 AACS.

**R 408.10926**  
**Source:** 1984 AACS.

**R 408.10928**  
**Source:** 1984 AACS.

**STANDPIPE AND HOSE SYSTEMS**

**R 408.10931**  
**Source:** 1984 AACS.

**R 408.10934**  
**Source:** 1984 AACS.

**R 408.10936**  
**Source:** 1997 AACS.

**R 408.10937**  
**Source:** 1984 AACS.

**CARBON DIOXIDE SYSTEMS**

**R 408.10941**  
**Source:** 1984 AACS.

**DRY CHEMICAL SYSTEMS**

**R 408.10951**  
**Source:** 1984 AACS.

**R 408.10952**  
**Source:** 1984 AACS.

**FOAM SYSTEMS**

**R 408.10961**  
**Source:** 1984 AACS.

**R 408.10963**  
**Source:** 1984 AACS.

**R 408.10964**  
**Source:** 1984 AACS.

**R 408.10965**  
**Source:** 1984 AACS.

**HALOGENATED EXTINGUISHING SYSTEMS**

**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.10971**  
Source: 1984 AACS.

**LOCAL FIRE ALARM SYSTEMS**

**R 408.10981**  
Source: 1984 AACS.

**R 408.10983**  
Source: 1984 AACS.

**FIRE DETECTION SYSTEMS**

**R 408.10991**  
Source: 1984 AACS.

**R 408.10993**  
Source: 1984 AACS.

**R 408.10995**  
Source: 1984 AACS.

**R 408.10999**  
Source: 1984 AACS.

**PART 11. POLISHING, BUFFING, AND ABRADING**

**R 408.11111**  
Source: 1983 AACS.

**PART 12. WELDING AND CUTTING**

**R 408.11205**  
Source: 1988 AACS.

**R 408.11211**  
Source: 1983 AACS.

**R 408.11212**  
Source: 1988 AACS.

**R 408.11213**  
Source: 1988 AACS.

**R 408.11214**  
Source: 1997 AACS.

**R 408.11222**  
Source: 1988 AACS.

**R 408.11225**  
Source: 1988 AACS.

**R 408.11232**  
Source: 1981 AACS.

**R 408.11234**  
Source: 1981 AACS.

**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.11242**  
**Source:** 1981 AACS.

**R 408.11281**  
**Source:** 1988 AACS.

**R 408.11292**  
**Source:** 1981 AACS.

**R 408.11294**  
**Source:** 1981 AACS.

**R 408.11297**  
**Source:** 1997 AACS.

**R 408.11298**  
**Source:** 1981 AACS.

**R 408.11299**  
**Source:** 1981 AACS.

**PART 13. DERRICKS**

**R 408.11301**  
**Source:** 1982 AACS.

**PART 14. CONVEYORS**

**R 408.11436**  
**Source:** 1997 AACS.

**PART 16. LABELING OF HAZARDOUS SUBSTANCES**

**R 408.11601**  
**Source:** 1997 AACS.

**R 408.11602**  
**Source:** 1997 AACS.

**R 408.11603**  
**Source:** 1997 AACS.

**R 408.11604**  
**Source:** 1997 AACS.

**R 408.11605**  
**Source:** 1997 AACS.

**R 408.11606**  
**Source:** 1997 AACS.

**R 408.11607**  
**Source:** 1997 AACS.

**R 408.11608**  
**Source:** 1997 AACS.

**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.11609**  
Source: 1997 AACS.

**R 408.11610**  
Source: 1997 AACS.

**R 408.11611**  
Source: 1997 AACS.

**R 408.11612**  
Source: 1997 AACS.

**R 408.11613**  
Source: 1997 AACS.

**R 408.11602**  
Source: 1997 AACS.

**R 408.11603**  
Source: 1997 AACS.

**PART 18. OVERHEAD AND GANTRY CRANES**

**OPERATORS AND OPERATIONS**

**R 408.11801**  
Source: 2002 AACS.

**R 408.11803**  
Source: 2002 AACS.

**R 408.11804**  
Source: 2002 AACS.

**R 408.11805**  
Source: 2002 AACS.

**R 408.11806**  
Source: 2002 AACS.

**R 408.11807 Adoption of standards by reference.**

Rule 1807. (1) The standards specified in this rule, except for the standards specified in subrule (2) of this rule, are adopted by reference.

(a) The following standards, which are available from Global Engineering Documents, 15 Inverness Way East, Englewood, Colorado, 80112, USA, telephone number: 1-800-854-7179 or via the internet at web-site: <http://global.ihs.com>, at a cost as of the time of adoption of these amendments, as stated in this subdivision:

American National Standard Institute Standard ANSI/ASME B30.2, for "Overhead and Gantry Cranes (Top Running Bridge, Single or Multiple Girder, Top Running Trolley Hoist)", 1996 edition. Cost: \$73.00.

(ii) American National Standard Institute Standard ANSI/ASME B30.2.0, for "Overhead and Gantry Cranes", 1967 edition. Cost: \$40.00.

(iii) American National Standards Institute Standard ANSI/ASME B30.17, for "Overhead and Gantry Cranes (Top Running Bridge, Single Girder, Underhung Hoist)", 1998 edition. Cost: \$62.00.

These standards are also available for inspection at, and purchase from, the Michigan Department of Labor and Economic Growth, MIOSHA Standards Section, 7150 Harris Drive, P.O. Box 30643, Lansing, Michigan 48909-8143.

(b) "National Electrical Code," 2002 edition, is available from the National Fire Protection Association, 1 Batterymarch Park, P.O. Box 9101, Quincy, Massachusetts, 02269-9101, USA; telephone number: 617-770-3000; or via the internet at web-site: [www.nfpa.org](http://www.nfpa.org), at a cost as of the time of adoption of this amendment of \$54.00 and is available for review at the



**Annual Administrative Code Supplement**  
**2005 Edition**

Michigan Department of Labor and Economic Growth, MIOSHA Standards Section, 7150 Harris Drive, P.O. Box 30643, Lansing, Michigan, 48909-8143.

(2) Up to 5 copies of the following Michigan Occupational Safety Standards may be obtained at no charge from the Michigan Department of Labor and Economic Growth, MIOSHA Standards Section, 7150 Harris Drive, P.O. Box 30643, Lansing, Michigan, 48908-8143 or via the internet at web-site: [www.michigan.gov/mioshastandards](http://www.michigan.gov/mioshastandards). For quantities greater than 5, the cost is 4 cents per page.

- (a) General Industry Safety Standard Part 2. "Floor and Wall Openings, Stairways and Skylights," being R 408.10201 et seq.
- (b) General Industry Safety Standard Part 3. "Fixed Ladders," being R 408.10301 et seq.
- (c) General Industry Safety Standard Part 7. "Guards for Power Transmission," being R 408.10701 et seq.
- (d) General Industry Safety Standard part 33. "Personal Protective Equipment," being R 408.13301 et seq.
- (e) General Industry Safety Standard Part 39. "Design Safety Standards for Electrical Systems," being R 408.13901 et seq.
- (f) General Industry Safety Standard Part 40. "Electrical Safety-related Work Practices", being R 408.14001 et seq.
- (g) General Industry Safety Standard Part 49. "Slings," being R 408.14901 et seq.
- (h) General Industry Safety Standard Part 85. "Lockout/Tagout," being R 408.18501 et seq.
- (i) Construction Safety Standard Part 10. "Lifting and Digging Equipment," being R 408.41001 et seq.
- (j) Construction Safety Standard Part 45. "Fall Protection," being R 408.44501 et seq.

History: 2002 MR 7, Eff. Apr. 10, 2002; 2005 MR 9, Eff. May 13, 2005.

**R 408.11808**

**Source:** 2002 AACS.

**CONSTRUCTION, INSTALLATION AND EQUIPMENT**

**R 408.11821 Certification; modification; guards; adoption of standards by reference.**

Rule 1821. (1) A top running or gantry crane consisting of a top running bridge with single or multiple girders and a top running trolley hoist, erected or modified after June 24, 1973 and before April 9, 2002, shall be certified by a crane manufacturer or an engineer knowledgeable in crane construction, that the new construction or installation, or modification conforms to the American National Standard Institute Standard ANSI/ASME B30.2.0 "Overhead and Gantry Cranes," 1967 edition, which is adopted by reference in R 408.11807.

(2) A top running or gantry crane consisting of a top running bridge with single or multiple girders and a top running trolley hoist, erected or modified after April 9, 2002, shall be certified by a crane manufacturer or an engineer knowledgeable in crane construction, that the new construction or installation, or modification conforms to the American National Standard Institute Standard ANSI/ASME B30.2 "Overhead and Gantry Cranes (Top Running Bridge, Single or Multiple Girder, Top Running Trolley Hoist)," 1996 edition, which is adopted by reference in R 408.11807.

(3) A top running or gantry crane consisting of a top running bridge with a single girder and an underhung hoist, erected or modified after August 31, 1971 and before April 9, 2002, shall be certified by a crane manufacturer or an engineer knowledgeable in crane construction, that the new construction, installation, or modification conforms to the American National Standard Institute Standard ANSI/ASME B30.2.0 "Overhead and Gantry Cranes," 1967 edition, which is adopted by reference in R 408.11807.

(4) A top running or gantry crane consisting of a top running bridge with a single girder and an underhung hoist, erected or modified after April 9, 2002, shall be certified by a crane manufacturer or an engineer knowledgeable in crane construction, that the new construction, installation, or modification conforms to the American National Standard Institute Standard ANSI/ASME B30.17 "Overhead and Gantry Cranes (Top Running Bridge, Single Girder, Underhung Hoist)" 1998 edition, which is adopted by reference in R 408.11807.

(5) Gears, couplings and other means of power transmission, except shafts, where exposed to contact, shall be guarded as prescribed in General Industry Safety Standard Part 7. "Guards for Power Transmission," being R 408.10701 et seq., which is referenced in R 408.11807.

(6) A top running or gantry crane consisting of a top running bridge with single or multiple girders and a top running trolley hoist may be modified or rerated if the modifications and the supporting structure are checked thoroughly by a qualified engineer or the equipment manufacturer and conform to the American National Standard Institute Standard ANSI/ASME B30.2 "Overhead and Gantry Cranes (Top Running Bridge, Single or Multiple Girder, Top Running Trolley Hoist)," 1996 edition, which is adopted by reference in R 408.11807.

(7) A top running or gantry crane consisting of a top running bridge with a single girder and an underhung hoist may be modified or rerated if the modifications and the supporting structure are checked thoroughly by a qualified engineer or the

**Annual Administrative Code Supplement**  
**2005 Edition**

equipment manufacturer and conform to the American National Standard Institute Standard ANSI/ASME B30.17 “Overhead and Gantry Cranes (Top Running Bridge, Single Girder, Underhung Hoist)” 1998 edition, which is adopted by reference in R 408.11807.

History: 1954 ACS 76, Eff. July 25, 1973; 1954 ACS 82, Eff. Dec. 31, 1974; 1954 ACS 89, Eff. Nov. 13, 1976; 1979 AC; 2002 MR 7, Eff. Apr. 10, 2002; 2005 MR 9, Eff. May 13, 2005.

**R 408.11822 Marking rated capacity; classifications; clearances.**

Rule 1822. (1) The rated capacity of a crane shall be legibly marked on each side of the crane. Markings shall be legible from the ground or floor. Each load block of the hoisting units of the crane shall be legibly marked with its individual rated capacity.

(2) Each crane designed and manufactured after January 1, 1971 shall have a service class rating as prescribed in “CMAA #70--Specifications for Top Running Bridge and Gantry Type Multiple Girder Electric Overhead Traveling Cranes,” 1970 edition, as shown in Appendix B. Additionally the service class rating shall be legibly marked on each crane.

(3) Clearance from obstructions shall be a minimum of 3 inches overhead and 2 inches laterally between the crane and any obstruction.

(4) Runways of parallel cranes that do not have an intervening wall or structure shall have adequate clearance between the 2 bridges.

(5) The cab of a crane shall be located to afford a minimum of 3 inches clearance from all fixed structures within its area of possible movement.

History: 1954 ACS 76, Eff. July 25, 1973; 1979 AC; 2002 MR 7, Eff. Apr. 10, 2002; 2005 MR 9, Eff. May 13, 2005.

**R 408.11824**

Source: 2002 AACS.

**R 408.11825**

Source: 2002 AACS.

**R 408.11826**

Source: 2002 AACS.

**R 408.11827**

Source: 2002 AACS.

**R 408.11833**

Source: 2002 AACS.

**R 408.11835**

Source: 2002 AACS.

**R 408.11837**

Source: 2002 AACS.

**R 408.11841**

Source: 2002 AACS.

**R 408.11843**

Source: 2002 AACS.

**R 408.11844**

Source: 2002 AACS.

**R 408.11845**

Source: 2002 AACS.

**R 408.11847**

Source: 2002 AACS.

**OPERATORS AND OPERATIONS**

**R 408.11851**

**Source:** 2002 AACS.

**R 408.11852**

**Source:** 2002 AACS.

**R 408.11853**

**Source:** 2002 AACS.

**R 408.11854**

**Source:** 2002 AACS.

**R 408.11855 Limitations on use of cranes.**

Rule 1855. (1) An employer shall limit the use of a crane to the following persons:

- (a) An employee who is trained and is qualified to operate the type of crane to which he or she is assigned.
- (b) A learner under the direct supervision of a designated operator.
- (c) Designated maintenance personnel while performing their duties.
- (2) An employer shall establish and enforce a safe procedure, applicable to authorized employees, for boarding and leaving an overhead cab-operated crane.
- (3) An employer shall assure that an unauthorized employee does not enter a crane cab or pulpit.
- (4) An employer shall limit the use of a crane to its maximum rated capacity, except during rated load test as prescribed in R 408.11874.

History: 1954 ACS 76, Eff. July 25, 1973; 1979 AC; 2002 MR 7, Eff. Apr.10, 2002; 2005 MR 9, Eff. May 13, 2005.

**R 408.11857**

**Source:** 2002 AACS.

**R 408.11859**

**Source:** 2002 AACS.

**R 408.11861**

**Source:** 2002 AACS.

**R 408.11865**

**Source:** 2002 AACS.

**INSPECTIONS**

**R 408.11871**

**Source:** 2002 AACS.

**R 408.11872 Frequent and periodic inspections.**

Rule 1872. (1) Inspections shall be made as designated in this subrule and table 3.

- (a) An employer shall establish an inspection schedule based on usage and classification as described in this subrule and Appendix B.
- (b) The inspection procedure for cranes in regular service is divided into 2 general classifications based upon the intervals at which inspection should be performed. The intervals in turn are dependent upon the nature of the critical components of the crane and the degree of its exposure to wear, deterioration, or malfunction. The 2 general inspection classifications are designated as frequent and periodic, with respective intervals between inspections as specified in this rule.
- (c) Each crane designed and manufactured prior to January 1, 1971 shall be inspected at least monthly. The inspection schedule may be modified based on documented inspection and repair history and a qualified person's recommendations.
- (2) Frequent inspection includes examinations by a designated person who makes required records, as follows:
  - (a) Monthly to quarterly (class C) or at intervals of 100 hours of use, whichever comes first. Frequent inspection includes observations during operation and of items listed in table 3.

**Annual Administrative Code Supplement**  
**2005 Edition**

- (b) A designated person shall determine whether conditions found during the inspection constitute a hazard and whether a more detailed inspection is required.
  - (3) Periodic inspection includes inspection of the equipment in place by a designated person who makes records as listed in table 3 and as follows:
    - (a) Annually or at intervals of 500 hours of use, whichever comes first. Periodic inspections include observations during operation and of items listed in table 3.
    - (b) Conditions of extreme duty cycle, heat, and corrosive or climatic extremes indicate a need for more frequent inspections before use.
    - (c) Cranes with multiple service classifications shall be inspected in accordance with the highest rated duty classification.
    - (d) A designated person shall determine whether conditions found during an inspection constitute a hazard and whether disassembly is required for additional inspections.
    - (4) A crane which is used in infrequent service, that is, which has been idle for a period of 1 month or more, shall be inspected before being placed in service.
- History: 1954 ACS 76, Eff. July 25, 1973; 1954 ACS 82, Eff. Dec. 31, 1974; 1979 AC; 2002 MR 7, Eff. Apr. 10, 2002; 2005 MR 9, Eff. May 13, 2005.

**R 408.11873 Operational tests.**

Rule 1873. (1) Before a new or modified crane is put into operation or if a crane has not been used in the past 12 months, the equipment shall be tested by a designated person to ensure compliance with this part, including all of the following functions:

- (a) Hoisting and lowering.
  - (b) Trolley travel.
  - (c) Bridge travel.
  - (d) Travel limiting devices.
  - (e) Locking, limiting, and indicating devices, if provided.
  - (2) The trip setting of a hoist limit switch shall be determined with an empty hook traveling in increasing speeds up to the maximum speed. The actuating mechanism of the limit switch shall be located so that it will trip the switch, under all conditions, in time to prevent contact of the hook or hook block with any part of the trolley.
  - (3) When a crane is given a load test, the test load shall be not more than 125% of the rated load. The test reports shall be maintained on a file within the premises where the crane is located.
- History: 2002 MR 7, Eff. Apr 10, 2002; 2005 MR 9, Eff. May 13, 2005.

**R 408.11874**

**Source:** 2002 AACS.

**R 408.11875**

**Source:** 2002 AACS.

**PART 1. ADMINISTRATION**

**R 421.15**

**Source:** 2002 AACS.

**PART 19. CRAWLER, LOCOMOTIVE, AND TRUCK CRANES**

**R 408.11913**

**Source:** 1991 AACS.

**R 408.11916**

**Source:** 1997 AACS.

**R 408.11937**

**Source:** 1989 AACS.

**R 408.11943**

**Source:** 1989 AACS.

**Annual Administrative Code Supplement**  
**2005 Edition**

**PART 20. UNDERHUNG CRANES AND MONORAIL SYSTEMS**

**R 408.12001**  
Source: 1990 AACS.

**R 408.12003**  
Source: 1990 AACS.

**R 408.12004**  
Source: 1990 AACS.

**R 408.12005**  
Source: 1990 AACS.

**CONSTRUCTION, INSTALLATION, AND TESTING**

**R 408.12011**  
Source: 1997 AACS.

**R 408.12012**  
Source: 1990 AACS.

**R 408.12013**  
Source: 1990 AACS.

**R 408.12014**  
Source: 1990 AACS.

**R 408.12015**  
Source: 1990 AACS.

**R 408.12016**  
Source: 1990 AACS.

**R 408.12017**  
Source: 1990 AACS.

**R 408.12018**  
Source: 1990 AACS.

**R 408.12019**  
Source: 1990 AACS.

**OPERATORS AND OPERATIONS**

**R 408.12021**  
Source: 1990 AACS.

**R 408.12022**  
Source: 1990 AACS.

**R 408.12023**  
Source: 1990 AACS.

**R 408.12024**  
Source: 1990 AACS.

**R 408.12025**

**Annual Administrative Code Supplement**  
**2005 Edition**

**Source:** 1990 AACS.

**R 408.12026**

**Source:** 1990 AACS.

**R 408.12031**

**Source:** 1990 AACS.

**R 408.12032**

**Source:** 1990 AACS.

**R 408.12033**

**Source:** 1990 AACS.

**R 408.12034**

**Source:** 1990 AACS.

**R 408.12035**

**Source:** 1990 AACS.

**INSPECTION AND MAINTENANCE**

**R 408.12041**

**Source:** 1990 AACS.

**R 408.12042**

**Source:** 1990 AACS.

**R 408.12043**

**Source:** 1990 AACS.

**R 408.12044**

**Source:** 1990 AACS.

**R 408.12045**

**Source:** 1990 AACS.

**PART 21. POWERED INDUSTRIAL TRUCKS**

**R 408.12102**

**Source:** 1998-2000 AACS.

**R 408.12103**

**Source:** 1998-2000 AACS.

**R 408.12104**

**Source:** 1998-2000 AACS.

**R 408.12105**

**Source:** 1998-2000 AACS.

**R 408.12106**

**Source:** 1998-2000 AACS.

**R 408. 12109.**

**Source:** 1998-2000 AACS.

**R 408.12110**

**Source:** 1998-2000 AACS.

**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.12111**  
Source: 1998-2000 AACS.

**R 408.12121**  
Source: 1998-2000 AACS.

**R 408.12130**  
Source: 1998-2000 AACS.

**R 408.12132**  
Source: 1998-2000 AACS.

**R 408.12134**  
Source: 1998-2000 AACS.

**R 408.12135**  
Source: 1998-2000 AACS.

**R 408.12136**  
Source: 1998-2000 AACS.

**R 408.12137**  
Source: 1998-2000 AACS.

**R 408.12138**  
Source: 1998-2000 AACS.

**R 408.12143**  
Source: 1983 AACS.

**R 408.12151**  
Source: 1998-2000 AACS.

**R 408.12152**  
Source: 1998-2000 AACS.

**R 408.12153**  
Source: 1983 AACS.

**R 408.12154**  
Source: 1998-2000 AACS.

**R 408.12155**  
Source: 1998-2000 AACS.

**R 408.12161**  
Source: 1980 AACS.

**R 408.12162**  
Source: 1983 AACS.

**R 408.12163**  
Source: 1998-2000 AACS.

**R 408.12164**  
Source: 1998-2000 AACS.

**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.12171**  
Source: 1998-2000 AACS.

**R 408.12172**  
Source: 1998-2000 AACS.

**R 408.12173**  
Source: 1998-2000 AACS.

**R 408.12176.**  
Source: 1998-2000 AACS.

**R 408.12177**  
Source: 1983 AACS.

**R 408.12179**  
Source: 1983 AACS.

**R 408.12183**  
Source: 1983 AACS.

**R 408.12184**  
Source: 1983 AACS.

**R 408.12190**  
Source: 1983 AACS.

**PART 23. HYDRAULIC POWER PRESSES**

**R 408.12336**  
Source: 1997 AACS.

**PART 24. MECHANICAL POWER PRESSES**

**R 408.12401**  
Source: 1990 AACS.

**R 408.12403**  
Source: 1990 AACS.

**R 408.12404**  
Source: 1990 AACS.

**R 408.12407**  
Source: 1990 AACS.

**R 408.12411**  
Source: 1993 AACS.

**R 408.12412**  
Source: 1993 AACS.

**R 408.12413**  
Source: 1990 AACS.

**R 408.12428**  
Source: 1990 AACS.



**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.12442**  
**Source:** 1990 AACS.

**R 408.12443**  
**Source:** 1990 AACS.

**SAFEGUARDING THE POINT OF OPERATION**

**R 408.12461**  
**Source:** 1990 AACS.

**R 408.12463**  
**Source:** 1993 AACS.

**DIE DESIGN, CONSTRUCTION, SETTING, AND FEEDING**

**R 408.12471**  
**Source:** 1990 AACS.

**R 408.12472**  
**Source:** 1990 AACS.

**R 408.12473**  
**Source:** 1990 AACS.

**R 408.12474**  
**Source:** 1990 AACS.

**R 408.12477**  
**Source:** 1990 AACS.

**PART 25. MANLIFTS**

**R 408.12501**  
**Source:** 1997 AACS.

**PART 26. METALWORKING MACHINERY**

**R 408.12605**  
**Source:** 1991 AACS.

**R 408.12607**  
**Source:** 1991 AACS.

**R 408.12613**  
**Source:** 1997 AACS.

**R 408.12614**  
**Source:** 1991 AACS.

**R 408.12615**  
**Source:** 1997 AACS.

**R 408.12617**  
**Source:** 1997 AACS.

**R 408.12620**  
**Source:** 1991 AACS.

**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.12633**  
Source: 1991 AACS.

**R 408.12635**  
Source: 1991 AACS.

**R 408.12636**  
Source: 1991 AACS.

**R 408.12639**  
Source: 1991 AACS.

**R 408.12640**  
Source: 1991 AACS.

**R 408.12641**  
Source: 1991 AACS.

**R 408.12642**  
Source: 1991 AACS.

**R 408.12646**  
Source: 1991 AACS.

**R 408.12650**  
Source: 1991 AACS.

**PART 27. WOODWORKING MACHINERY**

**R 408.12715**  
Source: 1997 AACS.

**R 408.12716**  
Source: 1997 AACS.

**R 408.12718**  
Source: 1981 AACS.

**R 408.12727**  
Source: 1981 AACS.

**R 408.12728**  
Source: 1983 AACS.

**R 408.12730**  
Source: 1983 AACS.

**R 408.12751**  
Source: 1981 AACS.

**R 408.12793**  
Source: 1981 AACS.

**R 408.12798**  
Source: 1983 AACS.

**PART 31. PERSONAL PROTECTIVE EQUIPMENT**

**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.13101**  
Source: 1997 AACS.

**R 408.13102**  
Source: 1997 AACS.

**R 408.13103**  
Source: 1997 AACS.

**R 408.13104**  
Source: 1997 AACS.

**R 408.13105**  
Source: 1997 AACS.

**R 408.13106**  
Source: 1997 AACS.

**R 408.13107**  
Source: 1997 AACS.

**R 408.13108**  
Source: 1997 AACS.

**R 408.13109**  
Source: 1997 AACS.

**R 408.13110**  
Source: 1997 AACS.

**R 408.13111**  
Source: 1997 AACS.

**R 408.13112**  
Source: 1997 AACS.

**R 408.13113**  
Source: 1997 AACS.

**R 408.13114**  
Source: 1997 AACS.

**R 408.13115**  
Source: 1997 AACS.

**R 408.13116**  
Source: 1997 AACS.

**R 408.13117**  
Source: 1997 AACS.

**R 408.13118**  
Source: 1997 AACS.

**R 408.13119**  
Source: 1997 AACS.

**R 408.13120**  
Source: 1997 AACS.

**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.13121**  
**Source:** 1997 AACS.

**R 408.13122**  
**Source:** 1997 AACS.

**R 408.13123**  
**Source:** 1997 AACS.

**R 408.13124**  
**Source:** 1997 AACS.

**R 408.13125**  
**Source:** 1997 AACS.

**R 408.13126**  
**Source:** 1997 AACS.

**R 408.13127**  
**Source:** 1997 AACS.

**R 408.13128**  
**Source:** 1997 AACS.

**R 408.13129**  
**Source:** 1997 AACS.

**R 408.13130**  
**Source:** 1997 AACS.

**R 408.13131**  
**Source:** 1997 AACS.

**R 408.13132**  
**Source:** 1997 AACS.

**R 408.13133**  
**Source:** 1997 AACS.

**R 408.13134**  
**Source:** 1997 AACS.

**R 408.13135**  
**Source:** 1997 AACS.

**PART 32. HEAD PROTECTION EQUIPMENT**

**R 408.13201**  
**Source:** 1997 AACS.

**R 408.13203**  
**Source:** 1997 AACS.

**R 408.13205**  
**Source:** 1997 AACS.

**R 408.13211**  
**Source:** 1997 AACS.

**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.13221**  
Source: 1997 AACS.

**R 408.13222**  
Source: 1997 AACS.

**R 408.13231**  
Source: 1997 AACS.

**R 408.13241**  
Source: 1997 AACS.

**PART 33. PERSONAL PROTECTIVE EQUIPMENT**

**R 408.13301**  
Source: 1983 AACS.

**R 408.13302**  
Source: 1983 AACS.

**R 408.13303**  
Source: 1983 AACS.

**R 408.13304**  
Source: 1983 AACS.

**R 408.13305**  
Source: 1983 AACS.

**R 408.13306**  
Source: 1983 AACS.

**R 408.13308**  
Source: 1995 AACS.

**R 408.13309**  
Source: 1995 AACS.

**R 408.13310**  
Source: 1997 AACS.

**FACE AND EYE PROTECTION**

**R 408.13311**  
Source: 1997 AACS.

**R 408.13312**  
Source: 1997 AACS.

**R 408.13313**  
Source: 1983 AACS.

**R 408.13320**  
Source: 1983 AACS.

**R 408.13321**  
Source: 1983 AACS.

**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.13322**  
**Source:** 1983 AACS.

**R 408.13323**  
**Source:** 1983 AACS.

**R 408.13324**  
**Source:** 1995 AACS.

**R 408.13325**  
**Source:** 1983 AACS.

**R 408.13327**  
**Source:** 1983 AACS.

**R 408.13329**  
**Source:** 1983 AACS.

**R 408.13330**  
**Source:** 1983 AACS.

**R 408.13332**  
**Source:** 1983 AACS.

**R 408.13340**  
**Source:** 1983 AACS.

**R 408.13342**  
**Source:** 1983 AACS.

**R 408.13343**  
**Source:** 1983 AACS.

**R 408.13344**  
**Source:** 1983 AACS.

**R 408.13345**  
**Source:** 1983 AACS.

**R 408.13346**  
**Source:** 1983 AACS.

**R 408.13347**  
**Source:** 1983 AACS.

**EYE PROTECTORS**

**R 408.13350**  
**Source:** 1997 AACS.

**R 408.13352**  
**Source:** 1983 AACS.

**R 408.13353**  
**Source:** 1983 AACS.

**R 408.13355**  
**Source:** 1983 AACS.

**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.13356**  
Source: 1983 AACS.

**R 408.13357**  
Source: 1983 AACS.

**R 408.13359**  
Source: 1983 AACS.

**R 408.13360**  
Source: 1983 AACS.

**R 408.13362**  
Source: 1983 AACS.

**R 408.13363**  
Source: 1983 AACS.

**R 408.13364**  
Source: 1983 AACS.

**R 408.13366**  
Source: 1983 AACS.

**R 408.13367**  
Source: 1983 AACS.

**R 408.13369**  
Source: 1983 AACS.

**HEAD PROTECTION EQUIPMENT**

**R 408.13370**  
Source: 1997 AACS.

**R 408.13372**  
Source: 1997 AACS.

**R 408.13375**  
Source: 1995 AACS.

**R 408.13376**  
Source: 1983 AACS.

**R 408.13378**  
Source: 1983 AACS.

**FOOT PROTECTION**

**R 408.13383**  
Source: 1997 AACS.

**R 408.13384**  
Source: 1983 AACS.

**R 408.13385**  
Source: 1997 AACS.

**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.13386**  
**Source:** 1983 AACS.

**ELECTRICAL PROTECTIVE EQUIPMENT**

**R 408.13387**  
**Source:** 1997 AACS.

**R 408.13390**  
**Source:** 1997 AACS.

**HAND PROTECTION**

**R 408.13392**  
**Source:** 1995 AACS.

**R 408.13394**  
**Source:** 1997 AACS.

**R 408.13398**  
**Source:** 1983 AACS.

**PART 35. FACE AND EYE PROTECTION**

**R 408.13501—R 408.13569**  
**Source:** 1997 AACS.

**R 408.13503**  
**Source:** 1997 AACS.

**R 408.13504**  
**Source:** 1997 AACS.

**R 408.13505**  
**Source:** 1997 AACS.

**R 408.13506**  
**Source:** 1997 AACS.

**R 408.13508**  
**Source:** 1997 AACS.

**R 408.13511**  
**Source:** 1997 AACS.

**R 408.13512**  
**Source:** 1997 AACS.

**R 408.13513**  
**Source:** 1997 AACS.

**R 408.13514**  
**Source:** 1997 AACS.

**R 408.13521**  
**Source:** 1997 AACS.

**R 408.13522**



**Annual Administrative Code Supplement**  
**2005 Edition**

**Source:** 1997 AACS.

**R 408.13523**

**Source:** 1997 AACS.

**R 408.13524**

**Source:** 1997 AACS.

**R 408.13525**

**Source:** 1997 AACS.

**R 408.13526**

**Source:** 1997 AACS.

**R 408.13528**

**Source:** 1997 AACS.

**R 408.13530**

**Source:** 1997 AACS.

**R 408.13531**

**Source:** 1997 AACS.

**R 408.13533**

**Source:** 1997 AACS.

**R 408.13541**

**Source:** 1997 AACS.

**R 408.13542**

**Source:** 1997 AACS.

**R 408.13543**

**Source:** 1997 AACS.

**R 408.13544**

**Source:** 1997 AACS.

**R 408.13545**

**Source:** 1997 AACS.

**R 408.13546**

**Source:** 1997 AACS.

**R 408.13547**

**Source:** 1997 AACS.

**R 408.13551**

**Source:** 1997 AACS.

**R 408.13552**

**Source:** 1997 AACS.

**R 408.13553**

**Source:** 1997 AACS.

**R 408.13555**

**Source:** 1997 AACS.

**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.13556**  
Source: 1997 AACS.

**R 408.13557**  
Source: 1997 AACS.

**R 408.13559**  
Source: 1997 AACS.

**R 408.13560**  
Source: 1997 AACS.

**R 408.13562**  
Source: 1997 AACS.

**R 408.13563**  
Source: 1997 AACS.

**R 408.13564**  
Source: 1997 AACS.

**R 408.13566**  
Source: 1997 AACS.

**R 408.13567**  
Source: 1997 AACS.

**R 408.13569**  
Source: 1997 AACS.

**PART 37. ACCIDENT PREVENTION SIGNS AND TAGS**

**TAGS**

**R 408.13703**  
Source: 1983 AACS.

**R 408.13707**  
Source: 1983 AACS.

**R 408.13708**  
Source: 1983 AACS.

**R 408.13711**  
Source: 1983 AACS.

**R 408.13713**  
Source: 1983 AACS.

**R 408.13714**  
Source: 1983 AACS.

**R 408.13715**  
Source: 1983 AACS.

**R 408.13716**  
Source: 1983 AACS.

**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.13717**  
Source: 1997 AACS.

**R 408.13718**  
Source: 1997 AACS.

**R 408.13721**  
Source: 1983 AACS.

**R 408.13722**  
Source: 1997 AACS.

**R 408.13731**  
Source: 1988 AACS.

**R 408.13732**  
Source: 1983 AACS.

**R 408.13733**  
Source: 1983 AACS.

**R 408.13734**  
Source: 1983 AACS.

**R 408.13735**  
Source: 1983 AACS.

**R 408.13736**  
Source: 1997 AACS.

**PART 38. HAND AND PORTABLE POWERED TOOLS**

**R 408.13811**  
Source: 1993 AACS.

**R 408.13812**  
Source: 1993 AACS.

**R 408.13821**  
Source: 1983 AACS.

**R 408.13822**  
Source: 1983 AACS.

**R 408.13823**  
Source: 1983 AACS.

**R 408.13832**  
Source: 1997 AACS.

**R 408.13847**  
Source: 1983 AACS.

**R 408.13861**  
Source: 1983 AACS.

**R 408.13865**  
Source: 1983 AACS.

**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.13871**  
Source: 1983 AACS.

**R 408.13872**  
Source: 1983 AACS.

**R 408.13873**  
Source: 1983 AACS.

**R 408.13874**  
Source: 1983 AACS.

**R 408.13875**  
Source: 1983 AACS.

**R 408.13876**  
Source: 1997 AACS.

**R 408.13881**  
Source: 1983 AACS.

**R 408.13882**  
Source: 1993 AACS.

**PART 39. DESIGN SAFETY STANDARDS FOR ELECTRICAL SYSTEMS**

**R 408.13901**  
Source: 1994 AACS.

**R 408.13902**  
Source: 1994 AACS.

**PART 40. SAFETY-RELATED WORK PRACTICES**

**R 408.14001**  
Source: 1992 AACS.

**R 408.14002**  
Source: 1992 AACS.

**R 408.14003**  
Source: 1992 AACS.

**R 408.14004**  
Source: 1992 AACS.

**R 408.14005**  
Source: 1992 AACS.

**R 408.14006**  
Source: 1992 AACS.

**R 408.14007**  
Source: 1992 AACS.

**R 408.14008**  
Source: 1992 AACS.

**R 408.14009**

**Annual Administrative Code Supplement**  
**2005 Edition**

**Source:** 1992 AACS.

**PART 42. FORGING**

**R 408.14204**

**Source:** 1989 AACS.

**R 408.14221**

**Source:** 1997 AACS.

**R 408.14225**

**Source:** 1997 AACS.

**R 408.14232**

**Source:** 1989 AACS.

**PART 44. FOUNDRIES**

**R 408.14421**

**Source:** 1988 AACS.

**R 408.14423**

**Source:** 1997 AACS.

**R 408.14425**

**Source:** 1997 AACS.

**R 408.14426**

**Source:** 1997 AACS.

**R 408.14427**

**Source:** 1997 AACS.

**R 408.14431**

**Source:** 1997 AACS.

**R 408.14433**

**Source:** 1988 AACS.

**R 408.14436**

**Source:** 1988 AACS.

**R 408.14438**

**Source:** 1997 AACS.

**R 408.14447**

**Source:** 1997 AACS.

**R 408.14451**

**Source:** 1988 AACS.

**R 408.14461**

**Source:** 1988 AACS.

**R 408.14463**

**Source:** 1988 AACS.

**R 408.14465**

**Source:** 1988 AACS.

**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.14466**  
Source: 1988 AACS.

**R 408.14471**  
Source: 1988 AACS.

**R 408.14474**  
Source: 1997 AACS.

**R 408.14477**  
Source: 1997 AACS.

**R 408.14478**  
Source: 1988 AACS.

**R 408.14479**  
Source: 1997 AACS.

**R 408.14481**  
Source: 1997 AACS.

**R 408.14483**  
Source: 1997 AACS.

**R 408.14485**  
Source: 1997 AACS.

**R 408.14486**  
Source: 1997 AACS.

**R 408.14488**  
Source: 1988 AACS.

**R 408.14492**  
Source: 1988 AACS.

**R 408.14493**  
Source: 1988 AACS.

**R 408.14494**  
Source: 1997 AACS.

**R 408.14496**  
Source: 1997 AACS.

**PART 45. DIE CASTING**

**R 408.14511**  
Source: 1983 AACS.

**R 408.14515**  
Source: 1997 AACS.

**R 408.14517**  
Source: 1997 AACS.

**EQUIPMENT INSTALLATION AND MAINTENANCE**

**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.14521**

**Source:** 1997 AACS.

**DEPARTMENT OF CONSUMER AND INDUSTRY SERVICES**

**BUREAU OF SAFETY AND REGULATION**

**GENERAL INDUSTRY SAFETY STANDARDS COMMISSION**

**PART 49. SLINGS**

**R 408.14913**

**Source:** 1998-2000 AACS.

**R 408.14923**

**Source:** 1998-2000 AACS.

**PART 50. TELECOMMUNICATIONS**

**R 408.15001 Adoption of federal O.S.H.A. standard.**

Rule 5001. (1) The federal occupational safety and health administration's regulations on telecommunications that have been promulgated by the United States department of labor and codified at 29 C.F.R. §1910.268, are adopted by reference in these rules as of the effective date of these rules, except as noted in subrule (2) of this rule.

(2) Paragraphs (a)(2)(i) and (a)(3) of 29 C.F.R. §1910.268 are excepted.

(3) As of the effective date of these rules, the words "for purposes of 29 CFR 1910.34," as used in 29 C.F.R. §1910.268(b)(1)(iii), are excepted.

(4) As of the effective date of these rules, §1910.110, referenced in 29 C.F.R. §1910.268(b)(4), means general industry safety standard Part 56. Storage and Handling of Liquefied Petroleum Gases, R 408.15601.

(5) As of the effective date of these rules, the words "Assistant Secretary for Occupational Safety and Health," as used in 29 C.F.R. §1910.268(c), mean director of the department of labor and economic growth.

(6) As of the effective date of these rules, §1910.137, referenced in 29 C.F.R. §1910.268(f)(1), means general industry safety standard Part 33. Personal Protective Equipment, R 408.13387.

(7) As of the effective date of these rules, the words "Subpart D of this part," as used in 29 C.F.R. §1910.268(h)(1), mean general industry safety standard Part 3. Fixed Ladders, R 408.10301 et seq. and Part 4. Portable Ladders, R 408.10401 et seq.

(8) As of the effective date of these rules, §1910.25(c)(5), referenced in 29 C.F.R. §1910.268(h)(5), means construction safety standard Part 30. Telecommunications, R 408.43004.

(9) As of the effective date of these rules, §§1910.133(a)(2) to (a)(6), referenced in 29 C.F.R. §1910.268(i)(2), mean general industry safety standard Part 33. Personal Protective Equipment, R 408.13301 et seq.

(10) As of the effective date of these rules, subpart Q, referenced in 29 C.F.R. §1910.268(i)(9), means general industry safety standard Part 12. Welding and Cutting, R 408.11201 et seq.

(11) As of the effective date of these rules, the words "Subpart W of Part 1926 of this title," as used in 29 C.F.R. §1910.268(j)(2)(i), mean construction safety standard Part 13. Mobile Equipment, R 408.41301 et seq.

(12) As of the effective date of these rules, American National Standards Institute (ANSI) standard J6.6-1971, referenced in 29 C.F.R. §1910.268(n)(11)(iv), means American Society for Testing and Materials (ASTM) standard D 120, Standard Specification for Rubber Insulating Gloves, 1977 edition.

(13) As of the effective date of these rules, §1910.97, referenced in 29 C.F.R. §1910.268(p)(2), means occupational health standard Part 382. Nonionizing Radiation, R 325.60701 et seq.

(14) The adopted federal regulations shall have the same force and effect as a rule promulgated under 1974 PA 154, MCL 408.1001 et seq.

History: 2005 MR 19, Eff. Oct. 11, 2005.

**R 408.15002 Applicability.**

Rule 5002. Operations or conditions not specifically covered by these rules are subject to all the applicable standards promulgated by the general industry safety standards commission. Operations which involve construction work are subject to all the applicable standards promulgated by the construction safety standards commission.

**Annual Administrative Code Supplement**  
**2005 Edition**

History: 2005 MR 19, Eff. Oct. 11, 2005.

**R 408.15003 Employer responsibility.**

Rule 5003. Where personal protective equipment is required by any provision of 29 C.F.R. §1910.268 Telecommunications, adopted by reference in R 408.15001, that personal protective equipment shall be provided for and as prescribed in general industry safety standard Part 33. Personal Protective Equipment, R 408.13301 et seq.

History: 2005 MR 19, Eff. Oct. 11, 2005.

**R 408.15004 Availability of documents.**

Rule 5004. (1) The federal regulations adopted by reference in these rules are available without cost as of the time of adoption of these rules from the United States Department of Labor, OSHA, 315 West Allegan, Room 315, Lansing, Michigan 48933, or via the internet at website: [www.osha.gov](http://www.osha.gov), or from the Michigan Department of Labor and Economic Growth, MIOSHA Standards Section, P.O. Box 30643, Lansing, Michigan 48909.

(2) The following Michigan occupational safety and health standards are referenced in these rules. Up to 5 copies of these standards may be obtained at no charge from the Michigan Department of Labor and Economic Growth, MIOSHA Standards Section, 7150 Harris Drive, P.O. Box 30643, Lansing, Michigan, 48909-8143 or via the internet at website: [www.michigan.gov/mioshastandards](http://www.michigan.gov/mioshastandards). For quantities greater than 5, the cost, as of the time of adoption of these rules, is 4 cents per page.

(a) General Industry Safety Standard Part 3. Fixed Ladders, R 408.10301 et seq.

(b) General Industry Safety Standard Part 4. Portable Ladders, R 408.10401 et seq.

(c) General Industry Safety Standard Part 12. Welding and Cutting, R 408.11201 et seq.

(d) Construction Safety Standard Part 13. Mobile Equipment, R 408.41301 et seq.

(e) General Industry Safety Standard Part 33. Personal Protective Equipment, R 408.13301 et seq.

(f) General Industry Safety Standard Part 56. Storage and Handling of Liquefied Petroleum Gases, R 408.15601.

(g) Occupational Health Standard Part 382. Nonionizing Radiation, R 325.60701 et seq.

(3) The following standards are referenced in these rules and are available from Global Engineering Documents, 15 Inverness Way East, Englewood, Colorado, 80112, telephone number 1-800-854-7179, website: [www.global.ihs.com](http://www.global.ihs.com), at a cost as of the time of adoption of these rules, as stated in this rule:

(a) American Society for Testing and Materials (ASTM) standard B117-64, Standard Practice for Operating Salt Spray (Fog) Apparatus. Cost: \$40.00.

(b) American National Standards Institute (ANSI) standard Z89.2-1971, Industrial Protective Helmets for Electrical Workers. Cost: \$25.00.

(c) American National Standards Institute (ANSI) standard B30.6-1969, Safety Code for Derricks. Cost: \$40.00.

(d) American Society for Testing and Materials (ASTM) standard D 120, Standard Specification for Rubber Insulating Gloves, 1977 edition. Cost: \$54.00.

(e) American National Standards Institute (ANSI) standard A92.2-1969, Vehicle-Mounted Elevating and Rotating Devices. Cost: \$20.00.

History: 2005 MR 19, Eff. Oct. 11, 2005.

**PART 51. LOGGING**

**GENERAL PROVISIONS**

**R 408.15101**

Source: 1996 AACs.

**R 408.15105**

Source: 1996 AACs.

**R 408.15106**

Source: 1996 AACs.

**R 408.15107**

Source: 1996 AACs.

**R 408.15108**

Source: 1996 AACs.



**Annual Administrative Code Supplement**  
**2005 Edition**

**EMPLOYER-EMPLOYEE RESPONSIBILITIES**

**R 408.15112**  
Source: 1989 AACS.

**R 408.15113**  
Source: 1989 AACS.

**R 408.15114**  
Source: 1996 AACS.

**R 408.15116**  
Source: 1989 AACS.

**R 408.15117**  
Source: 1996 AACS.

**R 408.15118**  
Source: 1996 AACS.

**R 408.15119**  
Source: 1996 AACS.

**PERSONAL PROTECTIVE EQUIPMENT**

**R 408.15120**  
Source: 1996 AACS.

**R 408.15122**  
Source: 1996 AACS.

**R 408.15123**  
Source: 1996 AACS.

**R 408.15124**  
Source: 1996 AACS.

**R 408.15125**  
Source: 1996 AACS.

**R 408.15127**  
Source: 1996 AACS.

**PROTECTIVE EQUIPMENT**

**HAND-HELD CHAIN SAWS**

**R 408.15130**  
Source: 1996 AACS.

**R 408.15131**  
Source: 1996 AACS.

**R 408.15132**  
Source: 1997 AACS.

**R 408.15133**

**Annual Administrative Code Supplement**  
**2005 Edition**

**Source:** 1997 AACS.

**R 408.15134**

**Source:** 1997 AACS.

**R 408.15135**

**Source:** 1997 AACS.

**R 408.15136**

**Source:** 1996 AACS.

**OTHER SAWS**

**R 408.15137**

**Source:** 1989 AACS.

**R 408.15138**

**Source:** 1989 AACS.

**LOGGING EQUIPMENT**

**R 408.15142**

**Source:** 1996 AACS.

**R 408.15143**

**Source:** 1989 AACS.

**R 408.15144**

**Source:** 1996 AACS.

**R 408.15145**

**Source:** 1997 AACS.

**R 408.15146**

**Source:** 1996 AACS.

**R 408.15147**

**Source:** 1997 AACS.

**R 408.15148**

**Source:** 1996 AACS.

**R 408.15149**

**Source:** 1996 AACS.

**R 408.15150**

**Source:** 1996 AACS.

**FELLING, LIMBING, BUCKING, AND SKIDDING**

**R 408.15151**

**Source:** 1996 AACS.

**R 408.15153**

**Source:** 1989 AACS.

**R 408.15154**

**Source:** 1989 AACS.

**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.15155**  
**Source:** 1996 AACS.

**R 408.15156**  
**Source:** 1996 AACS.

**R 408.15157**  
**Source:** 1996 AACS.

**R 408.15158**  
**Source:** 1996 AACS.

**R 408.15159**  
**Source:** 1997 AACS.

**LOADING AND DECKING**

**R 408.15161**  
**Source:** 1997 AACS.

**R 408.15162**  
**Source:** 1997 AACS.

**R 408.15163**  
**Source:** 1997 AACS.

**R 408.15164**  
**Source:** 1997 AACS.

**TRUCK EQUIPMENT AND OPERATION**

**R 408.15171**  
**Source:** 1997 AACS.

**R 408.15173**  
**Source:** 1997 AACS.

**R 408.15174**  
**Source:** 1997 AACS.

**R 408.15175**  
**Source:** 1996 AACS.

**R 408.15180**  
**Source:** 1989 AACS.

**R 408.15181**  
**Source:** 1989 AACS.

**PART 52. SAWMILLS**

**R 408.15202**  
**Source:** 1989 AACS.

**R 408.15203**  
**Source:** 1989 AACS.

**R 408.15204**

**Annual Administrative Code Supplement**  
**2005 Edition**

**Source:** 1989 AACS.

**R 408.15205**

**Source:** 1989 AACS.

**R 408.15207**

**Source:** 1989 AACS.

**R 408.15211**

**Source:** 1989 AACS.

**R 408.15212**

**Source:** 1989 AACS.

**R 408.15222**

**Source:** 1989 AACS.

**R 408.15225**

**Source:** 1989 AACS.

**R 408.15226**

**Source:** 1989 AACS.

**SPECIFIC EQUIPMENT**

**R 408.15231**

**Source:** 1989 AACS.

**R 408.15232**

**Source:** 1989 AACS.

**R 408.15233**

**Source:** 1989 AACS.

**R 408.15234**

**Source:** 1989 AACS.

**R 408.15241**

**Source:** 1989 AACS.

**R 408.15242**

**Source:** 1989 AACS.

**R 408.15246**

**Source:** 1989 AACS.

**R 408.15247**

**Source:** 1989 AACS.

**R 408.15262**

**Source:** 1989 AACS.

**LOG AND MATERIAL HANDLING AND STORAGE**

**R 408.15273**

**Source:** 1989 AACS.

**R 408.15274**

**Source:** 1983 AACS.

**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.15275**  
Source: 1997 AACS.

**R 408.15277**  
Source: 1997 AACS.

**PART 53. TREE TRIMMING AND REMOVAL**

**R 408.15313**  
Source: 1983 AACS.

**PART 54. POWERED GROUNDSKEEPING EQUIPMENT**

**R 408.15411**  
Source: 1983 AACS.

**R 408.15413**  
Source: 1983 AACS.

**R 408.15415**  
Source: 1983 AACS.

**R 408.15416**  
Source: 1983 AACS.

**R 408.15421**  
Source: 1997 AACS.

**R 408.15422**  
Source: 1983 AACS.

**R 408.15423**  
Source: 1997 AACS.

**R 408.15424**  
Source: 1997 AACS.

**R 408.15425**  
Source: 1997 AACS.

**R 408.15429**  
Source: 1983 AACS.

**R 408.15431**  
Source: 1997 AACS.

**R 408.15452**  
Source: 1983 AACS.

**R 408.15461**  
Source: 1983 AACS.

**PART 55. EXPLOSIVES**

**R 408.15501**  
Source: 1998-2000 AACS.

**PART 56. STORAGE AND HANDLING OF LIQUEFIED PETROLEUM GASES**

**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.15601**  
Source: 1998-2000 AACS.

**PART 57. OIL AND GAS DRILLING AND SERVICING OPERATIONS**

**R 408.15701**  
Source: 1989 AACS.

**R 408.15703**  
Source: 1989 AACS.

**R 408.15704**  
Source: 1989 AACS.

**R 408.15705**  
Source: 1989 AACS.

**R 408.15706**  
Source: 1989 AACS.

**R 408.15707**  
Source: 1989 AACS.

**R 408.15708**  
Source: 1989 AACS.

**R 408.15711**  
Source: 1989 AACS.

**R 408.15712**  
Source: 1989 AACS.

**R 408.15713**  
Source: 1989 AACS.

**R 408.15715**  
Source: 1989 AACS.

**R 408.15718**  
Source: 1989 AACS.

**R 408.15719**  
Source: 1989 AACS.

**R 408.15721**  
Source: 1989 AACS.

**R 408.15722**  
Source: 1989 AACS.

**R 408.15723**  
Source: 1989 AACS.

**R 408.15725**  
Source: 1989 AACS.

**R 408.15726**  
Source: 1989 AACS.

**Annual Administrative Code Supplement**  
**2005 Edition**

**EQUIPMENT**

**R 408.15731**  
Source: 1989 AACS.

**R 408.15732**  
Source: 1989 AACS.

**R 408.15734**  
Source: 1989 AACS.

**R 408.15736**  
Source: 1989 AACS.

**R 408.15737**  
Source: 1994 AACS.

**R 408.15739**  
Source: 1989 AACS.

**R 408.15741**  
Source: 1989 AACS.

**R 408.15743**  
Source: 1989 AACS.

**R 408.15744**  
Source: 1989 AACS.

**R 408.15745**  
Source: 1989 AACS.

**R 408.15753**  
Source: 1989 AACS.

**R 408.15754**  
Source: 1989 AACS.

**R 408.15755**  
Source: 1997 AACS.

**R 408.15756**  
Source: 1989 AACS.

**R 408.15757**  
Source: 1989 AACS.

**OTHER SPECIAL SERVICE OPERATIONS**

**R 408.15761**  
Source: 1989 AACS.

**R 408.15762**  
Source: 1989 AACS.

**R 408.15763**  
Source: 1997 AACS.

**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.15764**  
Source: 1989 AACS.

**R 408.15765**  
Source: 1997 AACS.

**R 408.15766**  
Source: 1997 AACS.

**R 408.15767**  
Source: 1997 AACS.

**R 408.15768**  
Source: 1989 AACS.

**R 408.15769**  
Source: 1997 AACS.

**R 408.15771**  
Source: 1989 AACS.

**PART 58. VEHICLE-MOUNTED ELEVATING AND ROTATING WORK PLATFORMS**

**R 408.15803**  
Source: 1988 AACS.

**R 408.15830**  
Source: 1988 AACS.

**R 408.15831**  
Source: 1988 AACS.

**R 408.15832**  
Source: 1988 AACS.

**PART 59. HELICOPTERS**

**R 408.15915**  
Source: 1983 AACS.

**PART 62. PLASTIC MOLDING**

**R 408.16201**  
Source: 1992 AACS.

**R 408.16204**  
Source: 1992 AACS.

**R 408.16206**  
Source: 1992 AACS.

**R 408.16222**  
Source: 1992 AACS.

**R 408.16223**  
Source: 1992 AACS.

**R 408.16225**  
Source: 1992 AACS.



**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.16226**  
**Source:** 1992 AACS.

**R 408.16227**  
**Source:** 1998-2000 AACS.

**SPECIFIC EQUIPMENT**

**R 408.16231**  
**Source:** 1992 AACS.

**R 408.16232**  
**Source:** 1992 AACS.

**R 408.16234**  
**Source:** 1998-2000 AACS.

**R 408.16235**  
**Source:** 1992 AACS.

**R 408.16236**  
**Source:** 1992 AACS.

**R 408.16242**  
**Source:** 1992 AACS.

**R 408.16243**  
**Source:** 1992 AACS.

**R 408.16245**  
**Source:** 1992 AACS.

**R 408.16246**  
**Source:** 1992 AACS.

**R 408.16251**  
**Source:** 1992 AACS.

**PART 63. PULP, PAPER, AND PAPERBOARD MILLS**

**R 408.16305**  
**Source:** 1993 AACS.

**R 408.16311**  
**Source:** 1993 AACS.

**R 408.16313**  
**Source:** 1993 AACS.

**R 408.16321**  
**Source:** 1993 AACS.

**R 408.16328**  
**Source:** 1993 AACS.

**R 408.16333**  
**Source:** 1983 AACS.

**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.16351**  
Source: 1993 AACS.

**R 408.16378**  
Source: 1981 AACS.

**PART 69. COMPRESSED AIR AND GASES, EQUIPMENT, AND SYSTEMS**

**R 408.16901**  
Source: 1998-2000 AACS.

**R 408.16902**  
Source: 1998-2000 AACS.

**PART 71. LAUNDRY AND DRY CLEANING MACHINERY AND OPERATIONS**

**R 408.17111**  
Source: 1983 AACS.

**R 408.17122**  
Source: 1981 AACS.

**R 408.17123**  
Source: 1997 AACS.

**R 408.17124**  
Source: 1997 AACS.

**R 408.17125**  
Source: 1981 AACS.

**R 408.17143**  
Source: 1981 AACS.

**R 408.17147**  
Source: 1997 AACS.

**PART 72. AUTOMOTIVE SERVICE OPERATIONS**

**R 408.17201**  
Source: 1990 AACS.

**R 408.17206**  
Source: 1990 AACS.

**R 408.17235**  
Source: 1993 AACS.

**R 408.17236**  
Source: 1990 AACS.

**R 408.17237**  
Source: 1990 AACS.

**R 408.17253**  
Source: 1990 AACS.

**PART 73. FIRE BRIGADES**

**Annual Administrative Code Supplement**  
**2005 Edition**

- R 408.17301**  
Source: 1984 AACS.
- R 408.17303**  
Source: 1998-2000 AACS.
- R 408.17305**  
Source: 1984 AACS.
- R 408.17307**  
Source: 1984 AACS.
- R 408.17309**  
Source: 1984 AACS.
- R 408.17310**  
Source: 1998-2000 AACS.
- R 408.17312**  
Source: 1984 AACS.
- R 408.17314**  
Source: 1998-2000 AACS.
- R 408.17315**  
Source: 1998-2000 AACS.
- R 408.17316.**  
Source: 1998-2000 AACS.
- R 408.17317**  
Source: 1998-2000 AACS.
- R 408.17318**  
Source: 1998-2000 AACS.
- R 408.17320**  
Source: 1998-2000 AACS.
- R 408.17322**  
Source: 1998-2000 AACS.

**PART 74. FIRE FIGHTING**

- R 408.17401**  
Source: 2001 AACS.
- R 408.17402**  
Source: 1988 AACS.
- R 408.17403**  
Source: 2001 AACS.
- R 408.17404**  
Source: 2001 AACS.
- R 408.17405**

**Annual Administrative Code Supplement**  
**2005 Edition**

**Source:** 2001 AACS.

**R 408.17411**

**Source:** 2001 AACS.

**R 408.17415**

**Source:** 2001 AACS.

**CONSTRUCTION AND USE OF EQUIPMENT**

**R 408.17421**

**Source:** 2001 AACS.

**R 408.17422**

**Source:** 2001 AACS.

**R 408.17423**

**Source:** 2001 AACS.

**R 408.17424**

**Source:** 2001 AACS.

**R 408.17425**

**Source:** 2001 AACS.

**R 408.17426**

**Source:** 2001 AACS.

**PERSONAL PROTECTIVE EQUIPMENT**

**R 408.17431**

**Source:** 2001 AACS.

**R 408.17432**

**Source:** 2001 AACS.

**R 408.17433**

**Source:** 2001 AACS.

**R 408.17434**

**Source:** 2001 AACS.

**R 408.17435**

**Source:** 2001 AACS.

**R 408.17436**

**Source:** 2001 AACS.

**R 408.17437**

**Source:** 2001 AACS.

**TOOLS**

**R 408.17440**

**Source:** 2001 AACS.

**R 408.17442**

**Source:** 2001 AACS.

**Annual Administrative Code Supplement**  
**2005 Edition**

**OPERATIONS**

**R 408.17451**  
Source: 2001 AACS.

**R 408.17452**  
Source: 2001 AACS.

**INSPECTIONS**

**R 408.17461**  
Source: 1993 AACS.

**R 408.17462**  
Source: 1997 AACS.

**R 408.17463**  
Source: 2001 AACS.

**R 408.17464**  
Source: 2001 AACS.

**PART 75. FLAMMABLE AND COMBUSTIBLE LIQUIDS**

**R 408.17501**  
Source: 1982 AACS.

**PART 76. SPRAY FINISHING AND DIP TANKS**

**R 408.17601**  
Source: 1989 AACS.

**R 408.17602**  
Source: 1989 AACS.

**R 408.17603**  
Source: 1989 AACS.

**R 408.17605**  
Source: 1989 AACS.

**R 408.17607**  
Source: 1989 AACS.

**R 408.17609**  
Source: 1989 AACS.

**R 408.17610**  
Source: 1993 AACS.

**R 408.17612**  
Source: 1993 AACS.

**R 408.17613**  
Source: 1989 AACS.

**R 408.17614**  
Source: 1989 AACS.

**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.17615**  
**Source:** 1993 AACS.

**R 408.17616**  
**Source:** 1989 AACS.

**R 408.17618**  
**Source:** 1989 AACS.

**DIP TANKS**

**R 408.17620**  
**Source:** 1989 AACS.

**R 408.17621**  
**Source:** 1989 AACS.

**R 408.17622**  
**Source:** 1989 AACS.

**R 408.17623**  
**Source:** 1989 AACS.

**R 408.17624**  
**Source:** 1989 AACS.

**R 408.17630**  
**Source:** 1989 AACS.

**R 408.17631**  
**Source:** 1989 AACS.

**R 408.17632**  
**Source:** 1989 AACS.

**R 408.17633**  
**Source:** 1989 AACS.

**FIRE PROTECTION**

**R 408.17636**  
**Source:** 1989 AACS.

**R 408.17637**  
**Source:** 1989 AACS.

**FLAMMABLE AND COMBUSTIBLE LIQUIDS**

**R 408.17640**  
**Source:** 1989 AACS.

**R 408.17641**  
**Source:** 1989 AACS.

**ELECTRICAL AND OTHER SOURCES OF IGNITION**

**R 408.17650**  
**Source:** 1989 AACS.

**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.17651**  
Source: 1989 AACS.

**R 408.17696**  
Source: 1989 AACS.

**R 408.17699**  
Source: 1989 AACS.

**PART 77. GRAIN HANDLING FACILITIES**

**R 408.17701**  
Source: 1997 AACS.

**R 408.17702**  
Source: 1988 AACS.

**R 408.17703**  
Source: 1997 AACS.

**R 408.17704**  
Source: 1988 AACS.

**R 408.17705**  
Source: 1997 AACS.

**R 408.17706**  
Source: 1988 AACS.

**R 408.17707**  
Source: 1997 AACS.

**R 408.17708**  
Source: 1988 AACS.

**R 408.17709**  
Source: 1988 AACS.

**R 408.17710**  
Source: 1988 AACS.

**R 408.17711**  
Source: 1988 AACS.

**R 408.17712**  
Source: 1988 AACS.

**R 408.17713**  
Source: 1988 AACS.

**R 408.17714**  
Source: 1988 AACS.

**R 408.17715**  
Source: 1988 AACS.

**R 408.17716**  
Source: 1997 AACS.

**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.17717**  
**Source:** 1988 AACS.

**R 408.17719**  
**Source:** 1997 AACS.

**PART 78. ANHYDROUS AMMONIA**

**R 408.17801**  
**Source:** 1998-2000 AACS.

**PART 79. DIVING OPERATIONS**

**R 408.17903**  
**Source:** 1993 AACS.

**R 408.17904**  
**Source:** 1993 AACS.

**R 408.17905**  
**Source:** 1993 AACS.

**R 408.17906**  
**Source:** 1993 AACS.

**R 408.17907**  
**Source:** 1993 AACS.

**R 408.17909**  
**Source:** 1993 AACS.

**R 408.17911**  
**Source:** 1993 AACS.

**R 408.17912**  
**Source:** 1993 AACS.

**R 408.17913**  
**Source:** 1993 AACS.

**R 408.17914**  
**Source:** 1993 AACS.

**R 408.17921**  
**Source:** 1993 AACS.

**R 408.17922**  
**Source:** 1993 AACS.

**R 408.17923**  
**Source:** 1993 AACS.

**R 408.17924**  
**Source:** 1993 AACS.

**R 408.17925**  
**Source:** 1993 AACS.



**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.17926**  
Source: 1993 AACS.

**R 408.17927**  
Source: 1993 AACS.

**R 408.17931**  
Source: 1993 AACS.

**R 408.17932**  
Source: 1993 AACS.

**R 408.17933**  
Source: 1993 AACS.

**R 408.17934**  
Source: 1993 AACS.

**R 408.17941**  
Source: 1993 AACS.

**R 408.17942**  
Source: 1993 AACS.

**R 408.17945**  
Source: 1993 AACS.

**R 408.17946**  
Source: 1993 AACS.

**R 408.17951**  
Source: 1993 AACS.

**R 408.17952**  
Source: 1993 AACS.

**R 408.17953**  
Source: 1993 AACS.

**R 408.17954**  
Source: 1993 AACS.

**R 408.17955**  
Source: 1993 AACS.

**R 408.17956**  
Source: 1993 AACS.

**R 408.17957**  
Source: 1993 AACS.

**R 408.17958**  
Source: 1993 AACS.

**R 408.17961**  
Source: 1993 AACS.

**R 408.17962**  
Source: 1993 AACS.

**PART 81. BAKING OPERATIONS**

**R 408.18111**  
Source: 1982 AACS.

**R 408.18114**  
Source: 1982 AACS.

**R 408.18116**  
Source: 1982 AACS.

**R 408.18117**  
Source: 1982 AACS.

**R 408.18121**  
Source: 1982 AACS.

**R 408.18122**  
Source: 1982 AACS.

**R 408.18123**  
Source: 1982 AACS.

**R 408.18124**  
Source: 1982 AACS.

**R 408.18126**  
Source: 1982 AACS.

**R 408.18127**  
Source: 1982 AACS.

**R 408.18130**  
Source: 1982 AACS.

**R 408.18134**  
Source: 1982 AACS.

**R 408.18142**  
Source: 1982 AACS.

**R 408.18143**  
Source: 1982 AACS.

**R 408.18144**  
Source: 1982 AACS.

**R 408.18145**  
Source: 1982 AACS.

**R 408.18146**  
Source: 1982 AACS.

**R 408.18153**  
Source: 1982 AACS.

**R 408.18158**  
Source: 1982 AACS.

**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.18171**  
Source: 1982 AACS.

**R 408.18181**  
Source: 1982 AACS.

**PART 85. THE CONTROL OF HAZARDOUS ENERGY SOURCES**

**R 408.18501**  
Source: 1993 AACS.

**R 408.18502**  
Source: 1993 AACS.

**R 408.18599**  
Source: 1993 AACS.

**PART 86. ELECTRIC POWER GENERATION, TRANSMISSION, AND DISTRIBUTION**

**R 408.18601**  
Source: 1995 AACS.

**R 408.18602**  
Source: 1997 AACS.

**PART 90. CONFINED SPACE ENTRY**

**R 408.19001**  
Source: 1993 AACS.

**R 408.19002**  
Source: 1998-2000 AACS.

**PART 91. PROCESS SAFETY MANAGEMENT OF HIGHLY HAZARDOUS CHEMICALS**

**R 408.19101**  
Source: 1998-2000 AACS.

**R 408.19102**  
Source: 1998-2000 AACS.

**PART 92. HAZARD COMMUNICATION**

**R 408.19201**  
Source: 1995 AACS.

**R 408.19202**  
Source: 1995 AACS.

**R 408.19203**  
Source: 1995 AACS.

**PART 93. AIR RECEIVERS**

**R 408.19301**  
Source: 1998-2000 AACS.

**Annual Administrative Code Supplement**  
**2005 Edition**

**DEPARTMENT OF CONSUMER AND INDUSTRY SERVICES**

**BUREAU OF SAFETY AND REGULATION**

**GENERAL INDUSTRY SAFETY STANDARDS COMMISSION**

**COMPLIANCE AND APPEALS**

**R 408.19901**  
Source: 1998-2000 AACS.

**R 408.19902**  
Source: 1998-2000 AACS.

**R 408.19903**  
Source: 1998-2000 AACS.

**R 408.19904**  
Source: 1998-2000 AACS.

**R 408.19905**  
Source: 1998-2000 AACS.

**R 408.19906**  
Source: 1998-2000 AACS.

**R 408.19907**  
Source: 1998-2000 AACS.

**R 408.19908**  
Source: 1998-2000 AACS.

**R 408.19909**  
Source: 1998-2000 AACS.

**R 408.19910**  
Source: 1998-2000 AACS.

**DEPARTMENT ORGANIZATION AND GENERAL FUNCTIONS**

**PART 1. DIRECTOR'S OFFICE**

**R 408.20001**  
Source: 1997 AACS.

**R 408.20002**  
Source: 1997 AACS.

**R 408.20003**  
Source: 1997 AACS.

**R 408.20004**  
Source: 1997 AACS.

**R 408.20005**  
Source: 1997 AACS.

**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.20006**  
Source: 1997 AACS.

**PART 2. BUREAU OF ADMINISTRATIVE SERVICES**

**R 408.20011**  
Source: 1997 AACS.

**R 408.20012**  
Source: 1997 AACS.

**R 408.20013**  
Source: 1997 AACS.

**R 408.20014**  
Source: 1997 AACS.

**R 408.20015**  
Source: 1997 AACS.

**PART 3. BUREAU OF SAFETY AND REGULATION**

**R 408.20021—R 408.20031**  
Source: 1997 AACS.

**PART 4. EMPLOYMENT RELATIONS COMMISSION**

**R 408.20041**  
Source: 1997 AACS.

**R 408.20042**  
Source: 1997 AACS.

**R 408.20043**  
Source: 1997 AACS.

**PART 5. WORKMEN'S COMPENSATION AGENCIES**

**BUREAU OF WORKMEN'S COMPENSATION**

**R 408.20051**  
Source: 1997 AACS.

**R 408.20052**  
Source: 1997 AACS.

**R 408.20053**  
Source: 1997 AACS.

**R 408.20054**  
Source: 1997 AACS.

**R 408.20055**  
Source: 1997 AACS.

**R 408.20056**

**Annual Administrative Code Supplement**  
**2005 Edition**

**Source:** 1997 AACS.

**R 408.20057**

**Source:** 1997 AACS.

**PART 6. EMPLOYMENT SECURITY AGENCIES**

**R 408.20061**

**Source:** 1997 AACS.

**R 408.20062**

**Source:** 1997 AACS.

**R 408.20063**

**Source:** 1997 AACS.

**R 408.20064**

**Source:** 1997 AACS.

**R 408.20065**

**Source:** 1997 AACS.

**PART 7. OTHER BOARDS AND COMMISSIONS**

**R 408.20071**

**Source:** 1997 AACS.

**R 408.20072**

**Source:** 1997 AACS.

**R 408.20073**

**Source:** 1997 AACS.

**R 408.20074**

**Source:** 1997 AACS.

**R 408.20075**

**Source:** 1997 AACS.

**R 408.20076**

**Source:** 1997 AACS.

**R 408.20077**

**Source:** 1997 AACS.

**R 408.20078**

**Source:** 1997 AACS.

**R 408.20079**

**Source:** 1997 AACS.

**R 408.20080**

**Source:** 1997 AACS.

**R 408.20081**

**Source:** 1997 AACS.

**OCCUPATIONAL SAFETY AND HEALTH**

**PART 11. RECORDING AND REPORTING OF OCCUPATIONAL  
INJURIES AND ILLNESSES**

**R 408.22101**  
Source: 2001 AACS.

**R 408.22102**  
Source: 2001 AACS.

**R 408.22103**  
Source: 2002 AACS.

**R 408.22104**  
Source: 1998-2000 AACS.

**R 408.22105**  
Source: 2001 AACS.

**R 408.22106**  
Source: 2001 AACS.

**R 408.22107**  
Source: 2002 AACS.

**R 408.22108**  
Source: 2001 AACS.

**R 408.22109**  
Source: 2001 AACS.

**R 408.22110**  
Source: 2001 AACS.

**R 408.22111**  
Source: 2001 AACS.

**R 408.22112**  
Source: 2002 AACS.

**R 408.22113**  
Source: 2001 AACS.

**R 408.22114**  
Source: 2001 AACS.

**R 408.22115**  
Source: 2002 AACS.

**R 408.22116**  
Source: 2001 AACS.

**R 408.22117**  
Source: 2001 AACS.

**R 408.22119**  
Source: 2001 AACS.

**R 408.22120**

**Annual Administrative Code Supplement**  
**2005 Edition**

**Source:** 2001 AACS.

**R 408.22121**

**Source:** 2001 AACS.

**R 408.22122**

**Source:** 2001 AACS.

**R 408.22129**

**Source:** 2001 AACS.

**R 408.22130**

**Source:** 2001 AACS.

**R 408.22131**

**Source:** 2001 AACS.

**R 408.22132**

**Source:** 2001 AACS.

**R 408.22133**

**Source:** 2001 AACS.

**R 408.22134**

**Source:** 2001 AACS.

**R 408.22135**

**Source:** 2002 AACS.

**R 408.22136**

**Source:** 2001 AACS.

**R 408.22138**

**Source:** 2001 AACS.

**R 408.22139**

**Source:** 2001 AACS.

**R 408.22140**

**Source:** 2001 AACS.

**R 408.22141**

**Source:** 2002 AACS.

**R 408.22142**

**Source:** 2001 AACS.

**R 408.22143**

**Source:** 2001 AACS.

**R 408.22144**

**Source:** 2001 AACS.

**R 408.22151**

**Source:** 2001 AACS.

**R 408.22152**

**Source:** 2001 AACS.



**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.22153**  
Source: 2001 AACS.

**R 408.22154**  
Source: 2001 AACS.

**R 408.22155**  
Source: 2001 AACS.

**R 408.22156**  
Source: 2001 AACS.

**R 408.22157**  
Source: 2001 AACS.

**R 408.22158**  
Source: 2001 AACS.

**R 408.22161**  
Source: 2001 AACS.

**R 408.22162**  
Source: 2001 AACS.

**DEPARTMENT OF CONSUMER & INDUSTRY SERVICES**

**MIOSHA SAFETY AND HEALTH STANDARDS**

**PART 12. VARIANCES**

**R 408.22203**  
Source: 1998-2000 AACS.

**R 408.22213**  
Source: 1998-2000 AACS.

**R 408.22221**  
Source: 1998-2000 AACS.

**R 408.22224**  
Source: 1998-2000 AACS.

**R 408.22227**  
Source: 1998-2000 AACS.

**R 408.22234**  
Source: 1998-2000 AACS.

**R 408.22240**  
Source: 1998-2000 AACS.

**HEARINGS OFFICE**

**POLITICAL ACTIVITY HEARINGS**

**R 408.22901**  
Source: 1981 AACS.

**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.22902**  
**Source:** 1981 AACS.

**WAGE AND FRINGE BENEFIT HEARINGS**

**R 408.22951**  
**Source:** 1982 AACS.

**R 408.22952**  
**Source:** 1982 AACS.

**R 408.22953**  
**Source:** 1982 AACS.

**R 408.22954**  
**Source:** 1982 AACS.

**R 408.22955**  
**Source:** 1982 AACS.

**R 408.22956**  
**Source:** 1982 AACS.

**R 408.22957**  
**Source:** 1982 AACS.

**R 408.22958**  
**Source:** 1982 AACS.

**R 408.22959**  
**Source:** 1982 AACS.

**R 408.22960**  
**Source:** 1982 AACS.

**R 408.22961**  
**Source:** 1982 AACS.

**R 408.22962**  
**Source:** 1982 AACS.

**R 408.22963**  
**Source:** 1982 AACS.

**R 408.22964**  
**Source:** 1982 AACS.

**R 408.22965**  
**Source:** 1982 AACS.

**R 408.22966**  
**Source:** 1982 AACS.

**R 408.22967**  
**Source:** 1982 AACS.

**R 408.22968**  
**Source:** 1982 AACS.

**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.22969**  
Source: 1982 AACS.

**R 408.22970**  
Source: 1982 AACS.

**R 408.22971**  
Source: 1982 AACS.

**BUILDING OFFICIALS, PLAN REVIEWERS, AND INSPECTORS**

**R 408.30001**  
Source: 1991 AACS.

**R 408.30004**  
Source: 1991 AACS.

**R 408.30007**  
Source: 1991 AACS.

**R 408.30010**  
Source: 1991 AACS.

**R 408.30013**  
Source: 1991 AACS.

**R 408.30016**  
Source: 1991 AACS.

**R 408.30019**  
Source: 1991 AACS.

**R 408.30022**  
Source: 1991 AACS.

**R 408.30025**  
Source: 1991 AACS.

**R 408.30028**  
Source: 1991 AACS.

**R 408.30031**  
Source: 1991 AACS.

**R 408.30034**  
Source: 1991 AACS.

**R 408.30037**  
Source: 1998-2000 AACS.

**R 408.30040**  
Source: 1991 AACS.

**R 408.30043**  
Source: 1998-2000 AACS.

**R 408.30046**  
Source: 1991 AACS.

**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.30049**  
**Source:** 1991 AACS.

**R 408.30052**  
**Source:** 1991 AACS.

**R 408.30055**  
**Source:** 1991 AACS.

**CONSTRUCTION CODE**

**PART 1. ADMINISTRATION AND ENFORCEMENT**

**R 408.30111**  
**Source:** 1981 AACS.

**R 408.30114**  
**Source:** 1981 AACS.

**PART 3. APPEAL BOARDS AND HEARINGS**

**R 408.30316**  
**Source:** 1987 AACS.

**PART 4. BUILDING CODE**

**R 408.30401**  
**Source:** 2004 AACS.

**R 408.30402**  
**Source:** 2001 AACS.

**408.30403**  
**Source:** 1998-2000 AACS.

**R 408.30403a**  
**Source:** 1997 AACS.

**R 408.30404**  
**Source:** 2004 AACS.

**R 408.30405**  
**Source:** 2001 AACS.

**R 408.30406**  
**Source:** 2004 AACS.

**R 408.30407**  
**Source:** 1998-2000 AACS.

**R 408.30408**  
**Source:** 2004 AACS.

**R 408.30409**  
**Source:** 2004 AACS.

**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.30410**  
Source: 2004 AACCS.

**R 408.30411**  
Source: 2004 AACCS.

**R 408.30412**  
Source: 2004 AACCS.

**R 408.30413**  
Source: 1997 AACCS.

**R 408.30414**  
Source: 2004 AACCS.

**R 408.30415**  
Source: 1997 AACCS.

**R 408.30415a**  
Source: 2001 AACCS.

**R 408.30415a**  
Source: 2004 AACCS.

**R 408.30416**  
Source: 2004 AACCS.

**R 408.30417**  
Source: 2004 AACCS.

**R 408.30418**  
Source: 2004 AACCS.

**R 408.30419**  
Source: 2004 AACCS.

**R 408.30420**  
Source: 1997 AACCS.

**R 408.30421**  
Source: 2004 AACCS.

**R 408.30422**  
Source: 1997 AACCS.

**R 408.30423**  
Source: 1997 AACCS.

**R 408.30427**  
Source: 2004 AACCS.

**R 408.30427a**  
Source: 2001 AACCS.

**R 408.30427b**  
Source: 2001 AACCS.

**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.30427c**  
Source: 2001 AACS.

**R 408.30427d**  
Source: 2001 AACS.

**R 408.30427e**  
Source: 2001 AACS.

**R 408.30428**  
Source: 1997 AACS.

**R 408.30429**  
Source: 2001 AACS.

**R 408.30429a**  
Source: 2004 AACS.

**R 408.30430**  
Source: 2001 AACS.

**R 408.30431**  
Source: 1997 AACS.

**R 408.30432**  
Source: 2001 AACS.

**R 408.30433**  
Source: 1998-2000 AACS.

**R 408.30434**  
Source: 1997 AACS.

**R 408.30437**  
Source: 2004 AACS.

**R 408.30442**  
Source: 1997 AACS.

**R 408.30443**  
Source: 2004 AACS.

**R 408.30444**  
Source: 2004 AACS.

**R 408.30445**  
Source: 2004 AACS.

**R 408.30446 Smoke alarm locations.**

Rule 446. Sections 907.2.10.1.2.1 and 907.2.10.1.2.2 are added to the code as follows:

907.2.10.1.2.1 Smoke alarm locations in existing buildings constructed before November 6, 1974. Within each dwelling unit or sleeping unit, a single-station smoke alarm shall be installed in the following locations:

1. In each sleeping room or each area directly outside the sleeping room.
2. On each floor level including the basement level.

For sleeping units with split levels and without an intervening door between the adjacent levels, a smoke alarm installed on the upper level shall suffice for the adjacent lower level provided that the lower level is less than 1 full story below the upper level.

**Annual Administrative Code Supplement**  
**2005 Edition**

Section 907.2.10.1.2.2 Equipment requirements.

907.2.10.1.2.2. The required equipment for smoke alarms shall consist of the following:

1. Installation. Smoke alarm devices shall be listed and installed in accordance with the manufacturer's installation requirements, the provisions of the code and the provisions of NFPA 72, which is adopted by reference in these rules. The standard is available for inspection at the Michigan Department of Labor & Economic Growth, Bureau of Construction Codes and Fire Safety, 2501 Woodlake Circle, Okemos, Michigan, 48864, or from NFPA, 1 Batterymarch Park, Quincy, MA, 02269-9101, at a cost as of the time of adoption of these amendatory rules of \$48.00.

2. Power Source. The equipment shall be operable by power from 1 of the following primary sources:

a. The building wiring provided the wiring is served from a commercial source and is equipped with a battery backup. Wiring shall be permanent and without a disconnecting switch other than as required for overcurrent protection.

b. A non-rechargeable battery able to power the smoke alarm in the normal condition for a life of 5 years.

c. A rechargeable battery, with proper charging, able to power the alarm for a life of 5 years.

d. A commercial use alarm system with battery backup listed and approved in accordance with the commercial fire warning equipment provisions of NFPA 72, as adopted by reference in this rule.

3. Audible Alarm Notification. The activation of the alarm signal shall produce a sound that is audible in all occupiable dwelling areas.

4. Testing and Maintenance. The owner of a dwelling unit, in which required or optional fire detection or fire protection systems equipment is installed, shall be responsible for the proper operation, testing, and maintenance of the equipment in accordance with the manufacturer's instructions included with the equipment. The occupant of rental dwelling units shall be responsible for the periodic operational testing and periodic cleaning of the installed equipment within the rental unit in accordance with the testing instructions provided in the manufacturer's instructions for the equipment. If the system fails, breaks, or is out of service, it shall be repaired and functional within 30 days.

Exception: Smoke alarms and devices installed in buildings constructed before November 5, 1974 where an installation was approved by the appropriate enforcing agency under regulations in effect at the time of the installation shall comply with the provisions of the code.

History: 1979 ACS 8, Eff. Dec. 16, 1981; rescinded 1985 MR 7, Eff. July 30, 1985; 2005 MR 23, Eff. Mar. 14, 2006.

**R 408.30447**

**Source:** 2004 AACS.

**R 408.30448**

**Source:** 2001 AACS.

**R 408.30448a**

**Source:** 1997 AACS.

**R 408.30448b**

**Source:** 1997 AACS.

**R 408.30448c**

**Source:** 1997 AACS.

**R 408.30448d**

**Source:** 2004 AACS.

**R 408.30449**

**Source:** 2004 AACS.

**R 408.30449a**

**Source:** 1997 AACS.

**R 408.30451e**

**Source:** 1998-2000 AACS.

**R 408.30451a**

**Source:** 1997 AACS.

**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.30451b**  
Source: 1997 AACCS.

**R 408.30451c**  
Source: 2001 AACCS.

**R 408.30451d**  
Source: 1997 AACCS.

**R 408.30451e**  
Source: 1995 AACCS.

**R 408.30452**  
Source: 1997 AACCS.

**R 408.30453**  
Source: 2001 AACCS.

**R 408.30454**  
Source: 1998-2000 AACCS.

**R 408.30455**  
Source: 1998-2000 AACCS.

**R 408.30456**  
Source: 1998-2000 AACCS.

**R 408.30457**  
Source: 2001 AACCS.

**R 408.30458**  
Source: 2004 AACCS.

**R 408.30459**  
Source: 1997 AACCS.

**R 408.30460**  
Source: 1997 AACCS.

**R 408.30461**  
Source: 2004 AACCS.

**R 408.30475**  
Source: 2004 AACCS.

**R 408.30476**  
Source: 2001 AACCS.

**R 408.30495**  
Source: 2001 AACCS.

**R 408.30495a**  
Source: 2004 AACCS.

**R 408.30495b**  
Source: 1997 AACCS.

**R 408.30495c**



**Annual Administrative Code Supplement**  
**2005 Edition**

**Source:** 1997 AACS.

**R 408.30495d**

**Source:** 1997 AACS.

**R 408.30495e**

**Source:** 1997 AACS.

**R 408.30495f**

**Source:** 1997 AACS.

**R 408.30495g**

**Source:** 1997 AACS.

**R 408.30495h**

**Source:** 1997 AACS.

**R 408.30495i**

**Source:** 1997 AACS.

**R 408.30495j**

**Source:** 1997 AACS.

**R 408.30495k**

**Source:** 1997 AACS.

**R 408.30497**

**Source:** 2001 AACS.

**R 408.30499**

**Source:** 2004 AACS.

**R 408.30499a**

**Source:** 2001 AACS.

**RESIDENTIAL CODE**

**R 408.30501**

**Source:** 2001 AACS.

**R 408.30502**

**Source:** 2001 AACS.

**R 408.30503**

**Source:** 2004 AACS.

**R 408.30504**

**Source:** 2001 AACS.

**R 408.30505**

**Source:** 2004 AACS.

**R 408.30506**

**Source:** 2004 AACS.

**R 408.30507**

**Source:** 2001 AACS.

**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.30508**  
Source: 2004 AACCS.

**R 408.30509**  
Source: 2001 AACCS.

**R 408.30510**  
Source: 2004 AACCS.

**R 408.30511**  
Source: 2004 AACCS.

**R 408.30512**  
Source: 2004 AACCS.

**R 408.30513**  
Source: 2004 AACCS.

**R 408.30514**  
Source: 2004 AACCS.

**R 408.30515**  
Source: 2004 AACCS.

**R 408.30516**  
Source: 2001 AACCS.

**R 408.30517**  
Source: 2004 AACCS.

**R 408.30518**  
Source: 2004 AACCS.

**R 408.30519**  
Source: 2004 AACCS.

**R 408.30520**  
Source: 2004 AACCS.

**R 408.30521**  
Source: 2004 AACCS.

**R 408.30522**  
Source: 2004 AACCS.

**R 408.30523**  
Source: 2004 AACCS.

**R 408.30524**  
Source: 2004 AACCS.

**R 408.30525**  
Source: 2001 AACCS.

**R 408.30526**  
Source: 2004 AACCS.

**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.30527**  
Source: 2001 AACS.

**R 408.30528**  
Source: 2001 AACS.

**R 408.30529**  
Source: 2001 AACS.

**R 408.30530**  
Source: 2001 AACS.

**R 408.30531**  
Source: 2004 AACS.

**R 408.30532**  
Source: 2001 AACS.

**R 408.30533**  
Source: 2001 AACS.

**R 408.30534**  
Source: 2004 AACS.

**R 408.30535**  
Source: 2001 AACS.

**R 408.30536**  
Source: 2004 AACS.

**R 408.30537**  
Source: 2004 AACS.

**R 408.30538**  
Source: 2001 AACS.

**R 408.30539**  
Source: 2004 AACS.

**R 408.30540**  
Source: 2004 AACS.

**R 408.30541**  
Source: 2004 AACS.

**R 408.30542**  
Source: 2004 AACS.

**R 408.30543**  
Source: 2004 AACS.

**R 408.30544**  
Source: 2004 AACS.

**R 408.30545**  
Source: 2004 AACS.

**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.30546 Smoke alarm locations.**

Rule 546. Sections R313.3 and R313.4 are added to the code as follows:

R313.3. Smoke alarm locations in existing buildings constructed before November 6, 1974. Within each dwelling unit or sleeping unit, a single-station smoke alarm shall be installed in the following locations:

1. In each sleeping room or each area directly outside the sleeping room.
2. On each floor level including the basement level.

For sleeping units with split levels and without an intervening door between the adjacent levels, a smoke alarm installed on the upper level shall suffice for the adjacent lower level provided that the lower level is less than 1 full story below the upper level.

R313.4. Equipment requirements. The required equipment for smoke alarms shall consist of the following:

1. Installation. Smoke alarm devices shall be listed and installed in accordance with the manufacturer's installation requirements, the provisions of the code and the provisions of NFPA 72, which is adopted by reference in these rules. The standard is available for inspection at the Michigan Department of Labor & Economic Growth, Bureau of Construction Codes and Fire Safety, 2501 Woodlake Circle, Okemos, Michigan, 48864, or from NFPA, 1 Batterymarch Park, Quincy, MA, 02269-9101, at a cost as of the time of adoption of these amendatory rules of \$48.00.
2. Power Source. The equipment shall be operable by power from 1 of the following primary sources.
  - a. The building wiring provided that such wiring is served from a commercial source and is equipped with a battery backup. Wiring shall be permanent and without a disconnecting switch other than as required for overcurrent protection.
  - b. A non-rechargeable battery that is capable of operating the smoke alarm in the normal condition for a life of 5 years.
  - c. A rechargeable battery, with proper charging, able to power the alarm for a life of 5 years and shall be automatically recharged by an AC circuit of the commercial light and power source.
  - d. A household use alarm system with battery backup listed and approved in accordance with the household fire warning equipment provisions of NFPA 72, as referenced in Section R313.4 of the code.
3. Audible Alarm Notification. The activation of the alarm signal shall produce a sound that is audible in all occupiable dwelling areas.
4. Testing and Maintenance. The owner of a dwelling unit, in which required or optional fire detection or fire protection systems equipment is installed, shall be responsible for the proper operation, testing, and maintenance of the equipment in accordance with the manufacturer's instructions included with the equipment. The occupant of rental dwelling units shall be responsible for the periodic operational testing and periodic cleaning of the installed equipment within the rental unit in accordance with the testing instructions provided in the manufacturer's instructions for the equipment. If the system fails, breaks, or is out of service, it shall be repaired and functional within 30 days.

Exception: Smoke alarms and devices installed in buildings constructed before November 5, 1974 where an installation was approved by the appropriate enforcing agency under regulations in effect at the time of the installation shall comply with the provisions of the code.

History: 2005 MR 23, Eff. Mar. 14, 2006.

**R 408.30547**

**Source:** 2004 AACS.

**REHABILITATION CODE**

**R 408.30551**

**Source:** 2003 AACS.

**R 408.30552**

**Source:** 2002 AACS.

**R 408.30553**

**Source:** 2002 AACS.

**R 408.30554**

**Source:** 2002 AACS.

**R 408.30555**

**Source:** 2003 AACS.

**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.30556**  
Source: 2002 AACS.

**R 408.30557**  
Source: 2002 AACS.

**R 408.30558**  
Source: 2003 AACS.

**R 408.30559**  
Source: 2003 AACS.

**R 408.30560**  
Source: 2003 AACS.

**R 408.30561**  
Source: 2002 AACS.

**R 408.30562**  
Source: 2002 AACS.

**R 408.30563**  
Source: 2003 AACS.

**R 408.30564**  
Source: 2002 AACS.

**R 408.30565**  
Source: 2002 AACS.

**R 408.30566**  
Rule 566. Sections 301.5 and 301.6 are added to the code as follows:

301.5. Smoke alarm locations in existing buildings constructed before November 6, 1974. Within each dwelling unit or sleeping unit, a single-station smoke alarm shall be installed in the following locations:

1. In each sleeping room or each area directly outside the sleeping room.
2. On each floor level including the basement level.

For sleeping units with split levels and without an intervening door between the adjacent levels, a smoke alarm installed on the upper level shall suffice for the adjacent lower level provided that the lower level is less than 1 full story below the upper level.

301.6. Equipment Requirements. The required equipment for smoke alarms consist of the following:

1. Installation. Smoke alarm devices shall be listed and installed in accordance with the provisions of this code, the manufacturers installation requirements, and the provisions of NFPA 72, which is adopted by reference in these rules. The standard is available for inspection at the Michigan Department of Labor & Economic Growth, Bureau of Construction Codes and Fire Safety, 2501 Woodlake Circle, Okemos, Michigan, 48864, or from NFPA, 1 Batterymarch Park, Quincy, MA, 02269-9101, at a cost as of the time of adoption of these amendatory rules of \$48.00.
2. Power Source. The equipment shall be operable by power from 1 of the following primary sources.
  - a. The building wiring provided that such wiring is served from a commercial source and is equipped with a battery backup. Wiring shall be permanent and without a disconnecting switch other than as required for overcurrent protection.
  - b. A non-rechargeable battery that is capable of operating the smoke alarm in the normal condition for a life of 5 years.
  - c. A rechargeable battery, with proper charging, able to power the alarm for a life of 5 years and shall be automatically recharged by an AC circuit of the commercial light and power source.
  - d. A household or commercial use alarm system with battery backup listed and approved in accordance with the household and commercial fire warning equipment provisions of NFPA 72, as adopted by reference in this rule.
3. Audible Alarm Notification. The activation of the alarm signal shall produce a sound that is audible in all occupiable dwelling areas.
4. Testing and Maintenance. The owner of a dwelling unit, in which required or optional fire detection or fire protection systems equipment is installed, shall be responsible for the proper operation, testing, and maintenance of the equipment in

**Annual Administrative Code Supplement**  
**2005 Edition**

accordance with the manufacturer's instructions included with the equipment. The occupant of rental dwelling units shall be responsible for the periodic operational testing and periodic cleaning of the installed equipment within the rental unit in accordance with the testing instructions provided in the manufacturer's instructions for the equipment. If the system fails, breaks, or is out of service, it shall be repaired and functional within 30 days.

Exception: Smoke alarms and devices installed in buildings constructed before November 5, 1974 where an installation was approved by the appropriate enforcing agency under regulations in effect at the time of the installation shall comply with the provisions of the code.

History: 2005 MR 23, Eff. Mar. 14, 2006.

**R 408.30567**

Source: 2003 AACS.

**R 408.30568**

Source: 2002 AACS.

**R 408.30569**

Source: 2002 AACS.

**R 408.30570**

Source: 2002 AACS.

**R 408.30571**

Source: 2002 AACS.

**R 408.30572**

Source: 2002 AACS.

**R 408.30573**

Source: 2002 AACS.

**R 408.30574**

Source: 2002 AACS.

**R 408.30575**

Source: 2002 AACS.

**R 408.30576**

Source: 2003 AACS.

**R 408.30577**

Source: 2002 AACS.

**PART 6. MOBILE HOME CODE**

**R 408.30601**

Source: 1998-2000 AACS.

**R 408.30611**

Source: 1998-2000 AACS.

**R 408.30616**

Source: 1998-2000 AACS.

**R 408.30621**

Source: 1998-2000 AACS.

**R 408.30626**

Source: 1998-2000 AACS.

**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.30631**  
Source: 1998-2000 AACS.

**R 408.30636**  
Source: 1998-2000 AACS.

**PART 7. PLUMBING CODE**

**AMENDMENTS AND ADDITIONS TO BASIC PLUMBING CODE**

**R 408.30701**  
Source: 2003 AACS.

**AMENDMENTS AND ADDITIONS TO BASIC PLUMBING CODE**

**R 408.30711**  
Source: 2001 AACS.

**R 408.30712**  
Source: 2001 AACS.

**R 408.30713**  
Source: 2001 AACS.

**R 408.30714**  
Source: 2001 AACS.

**R 408.30715**  
Source: 2003 AACS.

**R 408.30716**  
Source: 2003 AACS.

**R 408.30717**  
Source: 2003 AACS.

**R 408.30718**  
Source: 2003 AACS.

**R 408.30719**  
Source: 2003 AACS.

**R 408.30720**  
Source: 2003 AACS.

**R 408.30721**  
Source: 2003 AACS.

**R 408.30722**  
Source: 2003 AACS.

**R 408.30723**  
Source: 2003 AACS.

**R 408.30724**

**Annual Administrative Code Supplement**  
**2005 Edition**

**Source:** 1998-2000 AACS.

**R 408.30725**

**Source:** 1998-2000 AACS.

**R 408.30725a**

**Source:** 1998-2000 AACS.

**R 408.30725b**

**Source:** 1998-2000 AACS.

**R 408.30725c**

**Source:** 1998-2000 AACS.

**R 408.30726**

**Source:** 1998-2000 AACS.

**R 408.30728**

**Source:** 2001 AACS.

**R 408.30730**

**Source:** 2003 AACS.

**R 408.30731**

**Source:** 1997 AACS.

**R 408.30732**

**Source:** 1997 AACS.

**R 408.30733**

**Source:** 1997 AACS.

**R 408.30734**

**Source:** 1998-2000 AACS.

**R 408.30735**

**Source:** 2001 AACS.

**R 408.30736**

**Source:** 1997 AACS.

**R 408.30737**

**Source:** 1998-2000 AACS.

**R 408.30738**

**Source:** 1997 AACS.

**R 408.30738a**

**Source:** 1998-2000 AACS.

**R 408.30739**

**Source:** 1997 AACS.

**R 408.30740**

**Source:** 1998-2000 AACS.

**R 408.30740a**

**Source:** 2003 AACS.



**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.30740b**  
Source: 1998-2000 AACS.

**R 408.30740c**  
Source: 2001 AACS.

**R 408.30741**  
Source: 1997 AACS.

**R 408.30741a**  
Source: 1997 AACS.

**R 408.30741b**  
Source: 1997 AACS.

**R 408.30741c**  
Source: 2003 AACS.

**R 408.30742,**  
Source: 1997 AACS.

**R 408.30743**  
Source: 1997 AACS.

**R 408.30743a**  
Source: 1998-2000 AACS.

**R 408.30743b**  
Source: 1997 AACS.

**R 408.30743c**  
Source: 1998-2000 AACS.

**R 408.30744**  
Source: 1997 AACS.

**R 408.30744a**  
Source: 1998-2000 AACS.

**R 408.30744b**  
Source: 1998-2000 AACS.

**R 408.30744c**  
Source: 1998-2000 AACS.

**R 408.30744d**  
Source: 1998-2000 AACS.

**R 408.30744e**  
Source: 2003 AACS.

**R 408.30744f**  
Source: 1998-2000 AACS.

**R 408.30745**  
Source: 1997 AACS.

**R 408.30745a**

**Annual Administrative Code Supplement**  
**2005 Edition**

**Source:** 1997 AACS.

**R 408.30745b**

**Source:** 1997 AACS.

**R 408.30746**

**Source:** 1998-2000 AACS.

**R 408.30746a**

**Source:** 1997 AACS.

**R 408.30746b**

**Source:** 1997 AACS.

**R 408.30747**

**Source:** 1997 AACS.

**R 408.30747a**

**Source:** 1998-2000 AACS.

**R 408.30747b**

**Source:** 1998-2000 AACS.

**R 408.30747c**

**Source:** 1997 AACS.

**R 408.30748**

**Source:** 1998-2000 AACS.

**R 408.30748a**

**Source:** 1997 AACS.

**R 408.30748b**

**Source:** 1997 AACS.

**R 408.30748c**

**Source:** 1997 AACS.

**R 408.30749**

**Source:** 2001 AACS.

**R 408.30749a**

**Source:** 1998-2000 AACS.

**R 408.30750**

**Source:** 1998-2000 AACS.

**R 408.30751**

**Source:** 1997 AACS.

**R 408.30751a**

**Source:** 1998-2000 AACS.

**R 408.30752**

**Source:** 1997 AACS.

**R 408.30752a**

**Source:** 1997 AACS.

**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.30753a**  
Source: 1998-2000 AACS.

**R 408.30754**  
Source: 1997 AACS.

**R 408.30754a**  
Source: 1997 AACS.

**R 408.30754b**  
Source: 2001 AACS.

**R 408.30754c**  
Source: 1998-2000 AACS.

**R 408.30755**  
Source: 1997 AACS.

**R 408.30756**  
Source: 1998-2000 AACS.

**R 408.30756a**  
Source: 1998-2000 AACS.

**R 408.30757**  
Source: 2001 AACS.

**R 408.30758**  
Source: 2001 AACS.

**R 408.30758a**  
Source: 1997 AACS.

**R 408.30758b**  
Source: 1997 AACS.

**R 408.30758c**  
Source: 1997 AACS.

**R 408.30758d**  
Source: 1997 AACS.

**R 408.30759**  
Source: 1998-2000 AACS.

**R 408.30759a**  
Source: 2001 AACS.

**R 408.30759b**  
Source: 2001 AACS.

**R 408.30760**  
Source: 2001 AACS.

**R 408.30761**  
Source: 1998-2000 AACS.

**R 408.30761a**

**Annual Administrative Code Supplement**  
**2005 Edition**

**Source:** 1998-2000 AACS.

**R 408.30761b**

**Source:** 1998-2000 AACS.

**R 408.30761c**

**Source:** 2001 AACS.

**R 408.30762**

**Source:** 1998-2000 AACS.

**R 408.30763**

**Source:** 1998-2000 AACS.

**R 408.30763a**

**Source:** 1998-2000 AACS.

**R 408.30763b**

**Source:** 1998-2000 AACS.

**R 408.30763c**

**Source:** 1998-2000 AACS.

**R 408.30764**

**Source:** 1997 AACS.

**R 408.30765**

**Source:** 1997 AACS.

**R 408.30765a**

**Source:** 1997 AACS.

**R 408.30765b**

**Source:** 1997 AACS.

**R 408.30765c**

**Source:** 1997 AACS.

**R 408.30765d**

**Source:** 1997 AACS.

**R 408.30765e**

**Source:** 1997 AACS.

**R 408.30766**

**Source:** 1997 AACS.

**R 408.30766a**

**Source:** 1997 AACS.

**R 408.30766b**

**Source:** 1997 AACS.

**R 408.30766c**

**Source:** 1997 AACS.

**R 408.30766d**

**Source:** 1997 AACS.

**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.30767**  
Source: 1997 AACS.

**R 408.30767a**  
Source: 1997 AACS.

**R 408.30768**  
Source: 1997 AACS.

**R 408.30768a**  
Source: 1997 AACS.

**R 408.30768b**  
Source: 1997 AACS.

**R 408.30769**  
Source: 1997 AACS.

**R 408.30769a**  
Source: 1997 AACS.

**R 408.30769b**  
Source: 1997 AACS.

**R 408.30769c**  
Source: 1997 AACS.

**R 408.30770**  
Source: 1997 AACS.

**R 408.30770a**  
Source: 1997 AACS.

**R 408.30770b**  
Source: 1997 AACS.

**R 408.30771**  
Source: 1997 AACS.

**R 408.30771a**  
Source: 1997 AACS.

**R 408.30771b**  
Source: 1997 AACS.

**R 408.30771c**  
Source: 1997 AACS.

**R 408.30771d**  
Source: 1997 AACS.

**R 408.30771e**  
Source: 1997 AACS.

**R 408.30772**  
Source: 1997 AACS.

**R 408.30772a**  
Source: 1997 AACS.

**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.30772b**  
Source: 1997 AACS.

**R 408.30772c**  
Source: 1997 AACS.

**R 408.30772d**  
Source: 1997 AACS.

**R 408.30772e**  
Source: 1997 AACS.

**R 408.30773**  
Source: 1997 AACS.

**R 408.30773a**  
Source: 1997 AACS.

**R 408.30773b**  
Source: 1997 AACS.

**R 408.30773c**  
Source: 1997 AACS.

**R 408.30773d**  
Source: 1997 AACS.

**R 408.30774**  
Source: 1997 AACS.

**R 408.30774a**  
Source: 1997 AACS.

**R 408.30774b**  
Source: 1997 AACS.

**R 408.30774c**  
Source: 1997 AACS.

**R 408.30774d**  
Source: 1997 AACS.

**R 408.30774e**  
Source: 1997 AACS.

**R 408.30774f**  
Source: 1997 AACS.

**R 408.30775**  
Source: 1997 AACS.

**R 408.30775a**  
Source: 1997 AACS.

**R 408.30775b**  
Source: 1997 AACS.

**R 408.30775c**  
Source: 1997 AACS.

**Annual Administrative Code Supplement**  
**2005 Edition**

- R 408.30775d**  
Source: 1997 AACS.
- R 408.30776**  
Source: 1997 AACS.
- R 408.30776a**  
Source: 1997 AACS.
- R 408.30776b**  
Source: 1997 AACS.
- R 408.30776c**  
Source: 1997 AACS.
- R 408.30777**  
Source: 2003 AACS.
- R 408.30777a**  
Source: 1998-2000 AACS.
- R 408.30777b**  
Source: 1997 AACS.
- R 408.30777c**  
Source: 1998-2000 AACS.
- R 408.30777d**  
Source: 1998-2000 AACS.
- R 408.30777e**  
Source: 1998-2000 AACS.
- R 408.30778**  
Source: 1998-2000 AACS.
- R 408.30778a**  
Source: 1998-2000 AACS.
- R 408.30778b**  
Source: 1998-2000 AACS.
- R 408.30778c**  
Source: 1998-2000 AACS.
- R 408.30779**  
Source: 1998-2000 AACS.
- R 408.30779a**  
Source: 1998-2000 AACS.
- R 408.30779b**  
Source: 1998-2000 AACS.
- R 408.30780**  
Source: 1998-2000 AACS.
- R 408.30780a**  
Source: 1998-2000 AACS.

**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.30780b**  
Source: 1998-2000 AACS.

**R 408.30780c**  
Source: 1997 AACS.

**R 408.30781**  
Source: 1997 AACS.

**R 408.30782**  
Source: 1997 AACS.

**R 408.30783**  
Source: 1997 AACS.

**R 408.30784**  
Source: 1997 AACS.

**R 408.30785**  
Source: 2001 AACS.

**R 408.30786**  
Source: 2003 AACS.

**R 408.30788**  
Source: 1998-2000 AACS.

**R 408.30788a**  
Source: 1997 AACS.

**R 408.30791**  
Source: 2003 AACS.

**R 408.30792**  
Source: 2003 AACS.

**R 408.30793**  
Source: 2001 AACS.

**R 408.30795**  
Source: 2001 AACS.

**R 408.30795a**  
Source: 2001 AACS.

**R 408.30796**  
Source: 2001 AACS.

**PART 8. ELECTRICAL CODE**

**R 408.30801**  
Source: 2004 AACS.

**R 408.30806**  
Source: 1997 AACS.



**Annual Administrative Code Supplement**  
**2005 Edition**

- R 408.30807**  
Source: 2004 AACCS.
- R 408.30808**  
Source: 2004 AACCS.
- R 408.30809**  
Source: 2004 AACCS.
- R 408.30810**  
Source: 2004 AACCS.
- R 408.30811**  
Source: 2004 AACCS.
- R 408.30812**  
Source: 2004 AACCS.
- R 408.30813**  
Source: 2004 AACCS.
- R 408.30814**  
Source: 2004 AACCS.
- R 408.30815**  
Source: 2004 AACCS.
- R 408.30816**  
Source: 2004 AACCS.
- R 408.30817**  
Source: 2004 AACCS.
- R 408.30818**  
Source: 2004 AACCS.
- R 408.30819**  
Source: 2004 AACCS.
- R 408.30820**  
Source: 2004 AACCS.
- R 408.30821**  
Source: 1997 AACCS.
- R 408.30822**  
Source: 2004 AACCS.
- R 408.30823**  
Source: 2004 AACCS.
- R 408.30824**  
Source: 2004 AACCS.
- R 408.30825**  
Source: 1998-2000 AACCS.

**Annual Administrative Code Supplement**  
**2005 Edition**

**R408.30826**

**R 408.30827**

Source: 2004 AACS.

**R 408.30828**

Source: 2004 AACS.

**R 408.30829**

Source: 2004 AACS.

**R 408.30830**

Source: 1998-2000 AACS.

**R 408.30831**

Source: 2004 AACS.

**R 408.30832**

Source: 1997 AACS.

**R 408.30835**

Source: 2004 AACS.

**R 408.30837**

Source: 2004 AACS.

**R 408.30838**

Source: 1997 AACS.

**R 408.30839**

Source: 1998-2000 AACS.

**R 408.30843**

Source: 2004 AACS.

**R 408.30865**

Source: 1997 AACS.

**R 408.30866**

Source: 2004 AACS.

**R 408.30867**

Source: 1998-2000 AACS.

**R 408.30868**

Source: 2004 AACS.

**R 408.30869**

Source: 2004 AACS.

**R 408.30870**

Source: 1997 AACS.

**R 408.30871**

Source: 1995 AACS.

**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.30872**  
Source: 1997 AACS.

**R 408.30873**  
Source: 1998-2000 AACS.

**R 408.30880**  
Source: 1997 AACS.

**PART 9. MECHANICAL CODE**

**R 408.30901**  
Source: 1997 AACS.

**PART 9A. MECHANICAL CODE**

**R 408.30901a**  
Source: 2003 AACS.

**AMENDMENTS AND ADDITIONS TO BASIC MECHANICAL CODE**

**R 408.30902a**  
Source: 2003 AACS.

**R 408.30903a**  
Source: 2001 AACS.

**R 408.30904a**  
Source: 2001 AACS.

**R 408.30905a**  
Source: 2001 AACS.

**R 408.30906a**  
Source: 2003 AACS.

**R 408.30907a**  
Source: 2003 AACS.

**R 408.30908a**  
Source: 2003 AACS.

**R 408.30909a**  
Source: 2003 AACS.

**R 408.30910a**  
Source: 2003 AACS.

**R 408.30912a**  
Source: 1997 AACS.

**R 408.30915a**  
Source: 2001 AACS.

**R 408.30916a**  
Source: 2001 AACS.

**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.30917a**  
Source: 1998-2000 AACS.

**R 408.30918a**  
Source: 2003 AACS.

**R 408.30919a**  
Source: 1997 AACS.

**R 408.30920a**  
Source: 1998-2000 AACS.

**R 408.30921a**  
Source: 1997 AACS.

**R 408.30922a**  
Source: 1998-2000 AACS.

**R 408.30923a**  
Source: 2003 AACS.

**R 408.30924a**  
Source: 2001 AACS.

**R 408.30925a**  
Source: 1998-2000 AACS.

**R 408.30926a**  
Source: 1998-2000 AACS.

**R 408.30927a**  
Source: 1995 AACS.

**R 408.30928a**  
Source: 2001 AACS.

**R 408.30929a**  
Source: 1998-2000 AACS.

**R 408.30930a**  
Source: 1998-2000 AACS.

**R 408.30931a**  
Source: 1998-2000 AACS.

**R 408.30932a**  
Source: 1998-2000 AACS.

**R 408.30933a**  
Source: 1998-2000 AACS.

**R 408.30935a**  
Source: 2003 AACS.

**R 408.30936a**  
Source: 2003 AACS.

**R 408.30937a**

**Annual Administrative Code Supplement**  
**2005 Edition**

**Source:** 1998-2000 AACS.

**R 408.30938a**

**Source:** 1997 AACS.

**R 408.30940a**

**Source:** 2001 AACS.

**R 408.30941a**

**Source:** 1998-2000 AACS.

**R 408.30942a**

**Source:** 1997 AACS.

**R 408.30943a**

**Source:** 1997 AACS.

**R 408.30944a**

**Source:** 1998-2000 AACS.

**R 408.30945a**

**Source:** 2003 AACS.

**R 408.30946a**

**Source:** 1998-2000 AACS.

**R 408.30948a**

**Source:** 1998-2000 AACS.

**R 408.30949a**

**Source:** 1998-2000 AACS.

**R 408.30951a**

**Source:** 1998-2000 AACS.

**R 408.30952a**

**Source:** 1997 AACS.

**R 408.30953a**

**Source:** 1998-2000 AACS.

**R 408.30954a**

**Source:** 1998-2000 AACS.

**R 408.30955a**

**Source:** 1997 AACS.

**R 408.30956a**

**Source:** 1998-2000 AACS.

**R 408.30958a**

**Source:** 1998-2000 AACS.

**R 408.30960a**

**Source:** 1997 AACS.

**R 408.30962a**

**Source:** 1998-2000 AACS.

**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.30963a**  
Source: 1998-2000 AACS.

**R 408.30964a**  
Source: 1997 AACS.

**R 408.30965a**  
Source: 1998-2000 AACS.

**R 408.30966a**  
Source: 1997 AACS.

**R 408.30967a**  
Source: 1997 AACS.

**R 408.30968a**  
Source: 1997 AACS.

**R 408.30970a**  
Source: 1997 AACS.

**R 408.30971a**  
Source: 1997 AACS.

**R 408.30972a**  
Source: 1997 AACS.

**R 408.30975a**  
Source: 1998-2000 AACS.

**R 408.30977a**  
Source: 1997 AACS.

**R 408.30982a**  
Source: 1997 AACS.

**R 408.30983a**  
Source: 1998-2000 AACS.

**R 408.30984a**  
Source: 1998-2000 AACS.

**R 408.30987a**  
Source: 1998-2000 AACS.

**R 408.30989a**  
Source: 1997 AACS.

**R 408.30992a**  
Source: 1997 AACS.

**R 408.30995a**  
Source: 2003 AACS.

**R 408.30996**  
Source: 1997 AACS.

**R 408.30997**

**Annual Administrative Code Supplement**  
**2005 Edition**

**Source:** 1997 AACS.

**R 408.30998**

**Source:** 1997 AACS.

**PART 10. ENERGY CONSERVATION IN NEW BUILDING DESIGN**

**R 408.31001**

**Source:** 1998-2000 AACS.

**R 408.31010**

**Source:** 1998-2000 AACS.

**R 408.31020**

**Source:** 1998-2000 AACS.

**R 408.31030**

**Source:** 1998-2000 AACS.

**R 408.31040**

**Source:** 1998-2000 AACS.

**R 408.31041**

**Source:** 1998-2000 AACS.

**R 408.31045**

**Source:** 1998-2000 AACS.

**R 408.31050**

**Source:** 1998-2000 AACS.

**R 408.31055**

**Source:** 1998-2000 AACS.

**DEPARTMENT OF CONSUMER AND INDUSTRY SERVICES**

**BUREAU OF CONSTRUCTION CODES**

**GENERAL RULES**

**PART 10. MICHIGAN UNIFORM ENERGY CODE**

**R 408.31061**

**Source:** 1998-2000 AACS.

**R 408.31062**

**Source:** 1998-2000 AACS.

**R 408.31063**

**Source:** 1998-2000 AACS.

**R 408.31064**

**Source:** 1998-2000 AACS.

**R 408.31065**

**Source:** 1998-2000 AACS.

**R 408.31066**

**Annual Administrative Code Supplement**  
**2005 Edition**

**Source:** 1998-2000 AACs.

**R 408.31070**

**Source:** 2003 AACs.

**R 408.31071**

**Source:** 1998-2000 AACs.

**R 408.31072**

**Source:** 1998-2000 AACs.

**R 408.31073**

**Source:** 1998-2000 AACs.

**R 408.31074**

**Source:** 1998-2000 AACs.

**R 408.31075**

**Source:** 1998-2000 AACs.

**R 408.31076**

**Source:** 1998-2000 AACs.

**R 408.31077**

**Source:** 1998-2000 AACs.

**R 408.31078**

**Source:** 1998-2000 AACs.

**R 408.31079**

**Source:** 1998-2000 AACs.

**R 408.31080**

**Source:** 1998-2000 AACs.

**R 408.31081**

**Source:** 1998-2000 AACs.

**R 408.31082**

**Source:** 1998-2000 AACs.

**R 408.31083**

**Source:** 1998-2000 AACs.

**R 408.31084**

**Source:** 1998-2000 AACs.

**R 408.31085**

**Source:** 1998-2000 AACs.

**R 480.31086**

**Source:** 1998-2000 AACs.

**R 408.31087**

**Source:** 2003 AACs.

**R 408.31088**

**Source:** 2003 AACs.



**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.31089**  
Source: 2003 AACS.

**R 408.31090**  
Source: 2003 AACS.

**R 408.31099**  
Source: 1998-2000 AACS.

**PART 11. PREMANUFACTURED UNITS**

**R 408.31103**  
Source: 1984 AACS.

**R 408.31104**  
Source: 1984 AACS.

**R 408.31105**  
Source: 1984 AACS.

**R 408.31106**  
Source: 1984 AACS.

**R 408.31111**  
Source: 1984 AACS.

**R 408.31113**  
Source: 1984 AACS.

**R 408.31122**  
Source: 1984 AACS.

**R 408.31132**  
Source: 1984 AACS.

**R 408.31133**  
Source: 1984 AACS.

**R 408.31134**  
Source: 1984 AACS.

**R 408.31135**  
Source: 1984 AACS.

**R 408.31136**  
Source: 1984 AACS.

**R 408.31137**  
Source: 1984 AACS.

**R 408.31138**  
Source: 1984 AACS.

**R 408.31139**  
Source: 1984 AACS.

**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.31141**  
Source: 1984 AACS.

**R 408.31142**  
Source: 1984 AACS.

**R 408.31144**  
Source: 1984 AACS.

**R 408.31145**  
Source: 1984 AACS.

**R 408.31152**  
Source: 1984 AACS.

**R 408.31153**  
Source: 1984 AACS.

**R 408.31162**  
Source: 1984 AACS.

**R 408.31167**  
Source: 1984 AACS.

**R 408.31168**  
Source: 1984 AACS.

**R 408.31170**  
Source: 2004 AACS.

**R 408.31172**  
Source: 1984 AACS.

**R 408.31174**  
Source: 1984 AACS.

**R 408.31194**  
Source: 1984 AACS.

**CONSTRUCTION SAFETY STANDARDS**

**PART 1. GENERAL RULES**

**R 408.40101**  
Source: 1983 AACS.

**R 408.40102**  
Source: 1998-2000 AACS.

**R 408.40103**  
Source: 1997 AACS.

**R 408.40104**  
Source: 1997 AACS.

**R 408.40105**

**Annual Administrative Code Supplement**  
**2005 Edition**

**Source:** 1997 AACS.

**R 408.40106**

**Source:** 1997 AACS.

**R 408.40111**

**Source:** 1997 AACS.

**R 408.40112**

**Source:** 1997 AACS.

**R 408.40114**

**Source:** 2002 AACS.

**R 408.40115**

**Source:** 1995 AACS.

**R 408.40116**

**Source:** 1983 AACS.

**R 408.40118**

**Source:** 1983 AACS.

**R 408.40119**

**Source:** 1983 AACS.

**R 408.40120**

**Source:** 1996 AACS.

**R 408.40121**

**Source:** 1983 AACS.

**R 408.40122**

**Source:** 1998-2000 AACS.

**R 408.40123**

**Source:** 1983 AACS.

**R 408.40125**

**Source:** 1983 AACS.

**R 408.40126**

**Source:** 1983 AACS.

**R 408.40127**

**Source:** 1995 AACS.

**R 408.40128**

**Source:** 2002 AACS.

**R 408.40129**

**Source:** 1995 AACS.

**R 408.40130**

**Source:** 1995 AACS.

**R 408.40131**

**Source:** 1995 AACS.

**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.40132**  
Source: 2002 AACS.

**R 408.40133**  
Source: 2002 AACS.

**R 408.40134**  
Source: 2002 AACS.

**PART 2. MASONRY WALL BRACING**

**R 408.40201**  
Source: 1989 AACS.

**R 408.40202**  
Source: 1989 AACS.

**R 408.40203**  
Source: 1989 AACS.

**R 408.40204**  
Source: 1989 AACS.

**R 408.40205**  
Source: 1989 AACS.

**R 408.40206**  
Source: 1989 AACS.

**R 408.40207**  
Source: 1989 AACS.

**R 408.40208**  
Source: 1989 AACS.

**R 408.40209**  
Source: 1989 AACS.

**R 408.40210**  
Source: 1989 AACS.

**PART 6. PERSONAL PROTECTIVE EQUIPMENT**

**R 408.40601**  
Source: 1980 AACS.

**R 408.40615**  
Source: 1998-2000 AACS.

**R 408.40616**  
Source: 1998-2000 AACS.

**R 408.40617**  
Source: 1985 AACS.

**R 408.40621**  
Source: 1998-2000 AACS.

**Annual Administrative Code Supplement**  
**2005 Edition**

- R 408.40622**  
Source: 1980 AACS.
- R 408.40623**  
Source: 1998-2000 AACS.
- R 408.40624**  
Source: 1988 AACS.
- R 408.40625**  
Source: 1998-2000 AACS.
- R 408.40626**  
Source: 1982 AACS.
- R 408.40627**  
Source: 1980 AACS.
- R 408.40631**  
Source: 1998-2000 AACS.
- R 408.40632**  
Source: 1998-2000 AACS.
- R 408.40633**  
Source: 1996 AACS.
- R 408.40634**  
Source: 1980 AACS.
- R 408.40635**  
Source: 1998-2000 AACS.
- R 408.40636**  
Source: 1980 AACS.
- R 408.40641**  
Source: 1998-2000 AACS.

**PART 7. WELDING AND CUTTING**

- R 408.40701**  
Source: 1980 AACS.
- R 408.40705**  
Source: 1980 AACS.
- R 408.40706**  
Source: 1980 AACS.
- R 408.40707**  
Source: 1980 AACS.
- R 408.40711**  
Source: 1980 AACS.
- R 408.40712**  
Source: 1980 AACS.

**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.40713**  
Source: 1996 AACS.

**R 408.40714**  
Source: 1980 AACS.

**R 408.40715**  
Source: 1980 AACS.

**R 408.40721**  
Source: 1980 AACS.

**R 408.40722**  
Source: 1980 AACS.

**R 408.40723**  
Source: 1980 AACS.

**R 408.40729**  
Source: 1980 AACS.

**R 408.40731**  
Source: 1980 AACS.

**R 408.40732**  
Source: 1980 AACS.

**R 408.40741**  
Source: 1980 AACS.

**R 408.40742**  
Source: 1980 AACS.

**R 408.40743**  
Source: 1980 AACS.

**R 408.40744**  
Source: 1980 AACS.

**R 408.40745**  
Source: 1980 AACS.

**R 408.40746**  
Source: 1982 AACS.

**R 408.40747**  
Source: 1980 AACS.

**R 408.40751**  
Source: 1982 AACS.

**R 408.40761**  
Source: 1980 AACS.

**R 408.40762**  
Source: 1980 AACS.

**PART 8. HANDLING AND STORAGE OF MATERIALS**

**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.40810**  
Source: 2004 AACS.

**R 408.40818**  
Source: 2004 AACS.

**R 408.40819**  
Source: 2004 AACS.

**R 408.40821**  
Source: 2004 AACS.

**R 408.40822**  
Source: 2004 AACS.

**R 408.40823**  
Source: 2004 AACS.

**R 408.40831**  
Source: 2004 AACS.

**R 408.40832**  
Source: 2004 AACS.

**R 408.40833**  
Source: 2004 AACS.

**R 408.40834**  
Source: 2004 AACS.

**R 408.40835**  
Source: 2004 AACS.

**R 408.40836**  
Source: 2004 AACS.

**R 408.40837**  
Source: 2004 AACS.

**R 408.40840**  
Source: 2004 AACS.

**R 408.40841**  
Source: 2004 AACS.

**PART 9. EXCAVATION, TRENCHING, AND SHORING**

**R 408.40925**  
Source: 1993 AACS.

**R 408.40932**  
Source: 1993 AACS.

**R 408.40934**  
Source: 1993 AACS.

**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.40943**  
Source: 1993 AACS.

**R 408.40944**  
Source: 1993 AACS.

**R 408.40945**  
Source: 1993 AACS.

**R 408.40946**  
Source: 1988 AACS.

**R 408.40951**  
Source: 1996 AACS.

**R 408.40953**  
Source: 1993 AACS.

**PART 10. LIFTING AND DIGGING EQUIPMENT**

**R 408.41001**  
Source: 1997 AACS.

**R 408.41001a**  
Source: 1998-2000 AACS.

**R 408.41002a**  
Source: 1995 AACS.

**R 408.41003a**  
Source: 1995 AACS.

**R 408.41004**  
Source: 1997 AACS.

**R 408.41004a**  
Source: 1995 AACS.

**CRANES, DERRICKS, AND EXCAVATION EQUIPMENT**

**R 408.41005a**  
Source: 1998-2000 AACS.

**R 408.41006a**  
Source: 1998-2000 AACS.

**R 408.41007a**  
Source: 1995 AACS.

**R 408.41008a**  
Source: 1995 AACS.

**R 408.41009a**  
Source: 1995 AACS.

**R 408.41010a**  
Source: 1995 AACS.



**Annual Administrative Code Supplement**  
**2005 Edition**

- R 408.41011a**  
Source: 1995 AACS.
- R 408.41012a**  
Source: 1995 AACS.
- R 408.41013a**  
Source: 1995 AACS.
- R 408.41014a**  
Source: 1998-2000 AACS.
- R 408.41015a**  
Source: 1998-2000 AACS.
- R 408.41016a**  
Source: 1998-2000 AACS.
- R 408.41017a**  
Source: 1995 AACS.
- R 408.41018a**  
Source: 1998-2000 AACS.
- R 408.41019a**  
Source: 1995 AACS.
- R 408.41020a**  
Source: 1998-2000 AACS.
- R 408.41021a**  
Source: 1995 AACS.
- R 408.41022a**  
Source: 1995 AACS.
- R 408.41023a**  
Source: 1998-2000 AACS.
- R 408.41024**  
Source: 1997 AACS.
- R 408.41024a**  
Source: 1995 AACS.
- R 408.41025**  
Source: 1997 AACS.
- R 408.41025a**  
Source: 1998-2000 AACS.
- R 408.41026**  
Source: 1997 AACS.
- R 408.41026a**  
Source: 1995 AACS.
- R 408.41027**  
Source: 1997 AACS.

**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.41027a**  
Source: 1995 AACS.

**R 408.41028**  
Source: 1997 AACS.

**R 408.41028a**  
Source: 1998-2000 AACS.

**R 408.41029a**  
Source: 1995 AACS.

**R 408.41030**  
Source: 1997 AACS.

**R 408.41030a**  
Source: 1995 AACS.

**R 408.41031**  
Source: 1997 AACS.

**R 408.41031a**  
Source: 1998-2000 AACS.

**R 408.41032a**  
Source: 1995 AACS.

**R 408.41033a**  
Source: 1998-2000 AACS.

**R 408.41051a**  
Source: 1995 AACS.

**MATERIAL AND PERSONNEL HOISTS (ELEVATORS)**

**R 408.41065a**  
Source: 1998-2000 AACS.

**R 408.41066a**  
Source: 1995 AACS.

**R 408.41067a**  
Source: 1995 AACS.

**R 408.41068a**  
Source: 1995 AACS.

**R 408.41069a**  
Source: 1995 AACS.

**R 408.41070a**  
Source: 1995 AACS.

**R 408.41070b**  
Source: 1998-2000 AACS.

**PERSONNEL HOISTS**

**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.41071a**  
Source: 1998-2000 AACS.

**R 408.41072a**  
Source: 1998-2000 AACS.

**R 408.41073a**  
Source: 1995 AACS.

**R 408.41074a**  
Source: 1995 AACS.

**R 408.41075a**  
Source: 1995 AACS.

**BASE-MOUNTED DRUM PERSONNEL HOISTS**

**R 408.41077a**  
Source: 1998-2000 AACS.

**R 408.41099a**  
Source: 1995 AACS.

**PART 11. FIXED AND PORTABLE LADDERS**

**R 408.41101**  
Source: 1993 AACS.

**R 408.41103**  
Source: 1993 AACS.

**R 408.41104**  
Source: 1993 AACS.

**R 408.41105**  
Source: 1993 AACS.

**R 408.41111**  
Source: 1993 AACS.

**R 408.41112**  
Source: 1993 AACS.

**R 408.41113**  
Source: 1993 AACS.

**R 408.41115**  
Source: 1993 AACS.

**R 408.41121**  
Source: 1993 AACS.

**R 408.41122**  
Source: 1993 AACS.

**R 408.41123**  
Source: 1993 AACS.

**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.41124**  
**Source:** 1993 AACS.

**R 408.41125**  
**Source:** 1993 AACS.

**R 408.41126**  
**Source:** 1993 AACS.

**R 408.41127**  
**Source:** 1996 AACS.

**R 408.41128**  
**Source:** 1990 AACS.

**R 408.41129**  
**Source:** 1990 AACS.

**R 408.41130**  
**Source:** 1990 AACS.

**R 408.41131**  
**Source:** 1990 AACS.

**R 408.41132**  
**Source:** 1990 AACS.

**R 408.41133**  
**Source:** 1990 AACS.

**R 408.41140**  
**Source:** 1990 AACS.

**PART 12. SCAFFOLDS AND SCAFFOLD PLATFORMS**

**R 408.41201**  
**Source:** 1998-2000 AACS.

**R 408.41203**  
**Source:** 1998-2000 AACS.

**R 408.41204**  
**Source:** 1998-2000 AACS.

**R 408.41205**  
**Source:** 1998-2000 AACS.

**R 408.41206**  
**Source:** 1998-2000 AACS.

**R 408.41207**  
**Source:** 1998-2000 AACS.

**R 408.41208**  
**Source:** 1998-2000 AACS.

**R 408.41209**  
**Source:** 1998-2000 AACS.

**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.41210**  
Source: 1998-2000 AACS.

**R 408.41211**  
Source: 1998-2000 AACS.

**R 408.41212**  
Source: 1998-2000 AACS.

**R 408.41213**  
Source: 1998-2000 AACS.

**R 408.41214**  
Source: 1998-2000 AACS.

**R 408.41215**  
Source: 1981 AACS.

**R 408.41216**  
Source: 1981 AACS.

**R 408.41217**  
Source: 1998-2000 AACS.

**R 408.41218**  
Source: 1981 AACS.

**R 408.41219**  
Source: 1998-2000 AACS.

**FLOOR AND GROUND SUPPORTED SCAFFOLDS**

**R 408.41221**  
Source: 1998-2000 AACS.

**R 408.41222**  
Source: 1981 AACS.

**R 408.41223**  
Source: 1998-2000 AACS.

**R 408.41224**  
Source: 1998-2000 AACS.

**R 408.41225**  
Source: 1981 AACS.

**R 408.41226**  
Source: 1981 AACS.

**R 408.41227**  
Source: 1998-2000 AACS.

**R 408.41228**  
Source: 1981 AACS.

**R 408.41229**

**Annual Administrative Code Supplement**  
**2005 Edition**

**Source:** 1998-2000 AACS.

**SUSPENDED SCAFFOLDS**

**R 408.41231**

**Source:** 1998-2000 AACS.

**R 408.41232**

**Source:** 1990 AACS.

**R 408.41233**

**Source:** 1998-2000 AACS.

**R 408.41234**

**Source:** 1998-2000 AACS.

**R 408.41235**

**Source:** 1998-2000 AACS.

**R 408.41236**

**Source:** 1998-2000 AACS.

**R 408.41237**

**Source:** 1996 AACS.

**R 408.41238**

**Source:** 1996 AACS.

**R 408.41239**

**Source:** 1998-2000 AACS.

**R 408.41240**

**Source:** 1998-2000 AACS.

**MOBILE SCAFFOLDS**

**R 408.41241**

**Source:** 1998-2000 AACS.

**R 408.41242**

**Source:** 1997 AACS.

**R 408.41243**

**Source:** 1997 AACS.

**R 408.41244**

**Source:** 1997 AACS.

**R 408.41245**

**Source:** 1997 AACS.

**R 408.41246**

**Source:** 1997 AACS.

**R 408.41251**

**Source:** 1998-2000 AACS.

**AUXILIARY SUPPORTED SCAFFOLDS**

**Annual Administrative Code Supplement**  
**2005 Edition**

- R 408.41252**  
Source: 1997 AACS.
- R 408.41253**  
Source: 1981 AACS.
- R 408.41254**  
Source: 1981 AACS.
- R 408.41255**  
Source: 1990 AACS.
- R 408.41256**  
Source: 1981 AACS.
- R 408.41256a**  
Source: 1998-2000 AACS.
- R 408.41256b**  
Source: 1998-2000 AACS.
- R 408.41257**  
Source: 1997 AACS.
- R 408.41258**  
Source: 1997 AACS.
- R 408.41259**  
Source: 1997 AACS.
- R 408.41260**  
Source: 1997 AACS.

**WIRE, FIBER, AND SYNTHETIC ROPE**

- R 408.41261**  
Source: 1998-2000 AACS.
- R 408.41262**  
Source: 1981 AACS.
- R 408.41263**  
Source: 1981 AACS.
- R 408.41264**  
Source: 1998-2000 AACS.

**PART 13. MOBILE EQUIPMENT**

- R 408.41301**  
Source: 1998-2000 AACS.

**PART 14. TUNNELS, SHAFTS, CAISSONS, AND COFFERDAMS**  
**GENERAL PROVISIONS**

- R 408.41401**  
Source: 2003 AACS.

**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.41405**  
Source: 2003 AACS.

**R 408.41410**  
Source: 2003 AACS.

**R 408.41454**  
Source: 2003 AACS.

**R 408.41455**  
Source: 2003 AACS.

**R 408.41456**  
Source: 2003 AACS.

**R 408.41461**  
Source: 2003 AACS.

**R 408.41462**  
Source: 2003 AACS.

**R 408.41463**  
Source: 2003 AACS.

**R 408.41464**  
Source: 2003 AACS.

**R 408.41465**  
Source: 2003 AACS.

**R 408.41466**  
Source: 2003 AACS.

**R 408.41467**  
Source: 2003 AACS.

**TUNNELS AND SHAFTS**

**R 408.41471**  
Source: 2003 AACS.

**R 408.41472**  
Source: 2003 AACS.

**R 408.41474**  
Source: 2003 AACS.

**R 408.41475**  
Source: 2003 AACS.

**R 408.41476**  
Source: 2003 AACS.

**R 408.41477**  
Source: 2003 AACS.

**R 408.41478**



**Annual Administrative Code Supplement**  
**2005 Edition**

**Source:** 2003 AACS.

**R 408.41479**

**Source:** 2003 AACS.

**COFFERDAMS AND CAISSONS**

**R 408.41481**

**Source:** 2003 AACS.

**R 408.41482**

**Source:** 1996 AACS.

**R 408.41483**

**Source:** 2003 AACS.

**PART 16. POWER TRANSMISSION AND DISTRIBUTION**

**R 408.41601**

**Source:** 1982 AACS.

**R 408.41610 Adoption of Standards by Reference.**

Rule 1610. (1) The following standards are adopted by reference in these rules and are available from Global Engineering Documents, 15 Inverness Way East, Englewood, Colorado, 80112, telephone number 1-800-854-7179, website: [www.global.ihs.com](http://www.global.ihs.com), at a cost as of the time of adoption of these rules, as stated in this rule:

- (a) American Society of Testing and Materials standard ASTM D-120, Standard Specification for Rubber Insulating Gloves, 1977 edition. Cost: \$54.00.
- (b) American Society of Testing and Materials standard ASTM D-178, Standard Specification for Rubber Insulating Matting, 2004 edition. Cost: \$37.00.
- (c) American Society of Testing and Materials standard ASTM D-1048, Standard Specification for Rubber Insulating Blankets, 1977 edition. Cost: \$46.00.
- (d) American Society of Testing and Materials standard ASTM D-1049 Standard Specification for Rubber Insulating Covers, 2004 edition. Cost: \$37.00.
- (e) American Society of Testing and Materials standard ASTM D-1050 Standard Specification for Rubber Insulating Line Hose, 2005 edition. Cost: \$37.00.
- (f) American Society of Testing and Materials standard ASTM D-1051 Standard Specification for Rubber Insulating Sleeves, 2002 edition. Cost: \$37.00.

May 18, 2005

- (g) American Society of Testing and Materials standard ASTM F-496 Standard Specifications for In-Service Care of Insulating Gloves and Sleeves, 2004 edition. Cost: \$37.00.
- (h) American National Standard Institute standard ANSI Z89-2 Industrial Protective Helmets for Electrical Workers, 1971 edition. Cost: \$25.00.
- (i) American Society of Testing and Materials standard ASTM B-117 Standard Method of Salt Spray (Fog) Testing, 1979 edition. Cost: \$40.00.

These standards are available for inspection at the Michigan Department of Labor and Economic Growth, MIOSHA Standards Section, 7150 Harris Drive, Lansing, Michigan 48909-8143.

(2) The following Michigan occupational safety and health standards are referenced in these rules. Up to 5 copies of these standards may be obtained at no charge from the Michigan Department of Labor and Economic Growth, MIOSHA Standards Section, 7150 Harris Drive, P.O. Box 30643, Lansing, Michigan, 48909-8143 or via the internet at website: [www.michigan.gov/mioshastandards](http://www.michigan.gov/mioshastandards). For quantities greater than 5, the cost, as of the time of adoption of these rules, is 4 cents per page.

- (a) Part 6 Personal Protective Equipment, R 408.40601 et seq.
- (b) Part 8 Handling and Storage of Materials, being R 408.40801 et seq.
- (c) Part 9 Excavation, Trenching, and Shoring, being R 408.40901 et seq.
- (d) Part 10 Lifting and Digging Equipment, R 408.41001 et seq.
- (e) Part 11. Fixed and Portable Ladders, being R 408.41101 et seq.
- (f) Part 13 Mobile Equipment, R 408.41301 et seq.

**Annual Administrative Code Supplement**  
**2005 Edition**

(g)Part 18 Fire Protection and Prevention, being R 408.41801 et seq.

(h)Part 19, Tools, R 408.41901 et seq.

(i)Part 22 Signals, Signs, Tags, and Barricades, R 408.42201 et seq.

(j)Part 32 Aerial Work Platforms, R 408.43201 et seq.

(k)Part 45 Fall Protection, R 408.44501 et seq.

History: 2005 MR 16, Eff. Aug. 22, 2005.

**R 408.41625**

**Source:** 1982 AACS.

**R 408.41626**

**Source:** 1982 AACS.

**R 408.41627 Clearances.**

Rule 1627. (1) The following provisions of subdivision (a), (b), or (c) of this subrule shall be observed:

(a)An employee shall not be permitted to approach or take any conductive object without an approved insulating handle closer to exposed energized parts than shown in table 1, unless 1 of the following is complied with:

(i)The employee is insulated or guarded from the energized part. Gloves or gloves with sleeves rated for the voltage involved, which are provided for pursuant to construction safety standard Part 6 Personal Protective Equipment, R 408.40617 and R 408.40641, shall be considered insulation of the employee from the energized part. The work method on parts energized above 5,000 volts phase to ground shall be with rubber gloves and sleeves out of an insulated bucket, by the use of hot line tools, or with rubber gloves and sleeves in conjunction with a factory-made and approved insulated platform that provides a method of belting off other than to the pole or structure. This rule does not apply to the bare hand technique.

(ii)The energized part is insulated or guarded from the employee and any other conductive object at a different potential.

(iii)The employee is isolated, insulated, or guarded from any other conductive object, as during live-line, bare-hand work.

(b)The minimum working distance and minimum clear hot stick distances stated in table 1 shall not be violated. The minimum clear hot stick distance is that for the use of live-line tools held by linemen when performing live-line work.

(c)Conductor support tools, such as line sticks, strain carriers, and insulator cradles, may be used provided that the clear insulation is at least as long as the insulator string or the minimum distance specified in table 1 for the operating voltage.

(2)Table 1 reads as follows:

Table 1 Alternating Current - Minimum Distances	
Voltage Range (Phase to Phase) Kilovolt	Minimum Working and Clear Hot Stick Distance
2.1 to 15	2 ft. 0 in.
15.1 to 35	2 ft. 4 in.
35.1 to 46	2 ft. 6 in.
46.1 to 72.5	3 ft. 0 in.
72.6 to 121	3 ft. 4 in.
138 to 145	3 ft. 6 in.
161 to 169	3 ft. 8 in.
230 to 242	5 ft. 0 in.
345 to 362	*7 ft. 0 in.
500 to 552	*11 ft. 0 in.
700 to 765	*15 ft. 0 in.
* Note: For 345-362 kv, 500-552 kv., and 700-765 kv., the minimum working distance and the minimum clear hot stick distance may be reduced provided that such distances are not less than the shortest distance between the energized part and a grounded surface.	

History: 1979 ACS 10, Eff. Apr. 8, 1982; 1985 MR 5, Eff. June 14, 1985; 2005 MR 16, Eff. Aug. 22, 2005.

**R 408.41628**

**Source:** 1982 AACS.

**R 408.41629**

**Source:** 1982 AACS.

**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.41630 Work over and near water.**

Rule 1630. When crews are engaged in work over or near water and when danger of drowning exists, suitable protection shall be provided for pursuant to construction safety standard Part 6 Personal Protective Equipment, R 408.40617 and R 408.40636.

History: 1979 ACS 10, Eff. Apr. 8, 1982; 1985 MR 5, Eff. June 14, 1985; 2005 MR 16, Eff. Aug. 22, 2005.

**R 408.41631**

**Source:** 1982 AACS.

**R 408.41632 Rubber protective equipment; certification; use and storage.**

Rule 1632. (1) Rubber insulating gloves, rubber matting for use around electrical apparatus, rubber insulating blankets, rubber insulating covers, rubber insulating line hose, and rubber insulating sleeves, when purchased after the effective date of this part, shall bear a permanent mark to show the manufacturer's name or trademark and certification of compliance with the appropriate American Society of Testing and Materials (ASTM) standard as listed in table 2, which are adopted by reference in R 408.41610.

(2)Table 2 reads as follows:

Table 2		
Item	ASTM	Edition
Standard Specification for Rubber Insulating Gloves	D-120	1977
Standard Specification for Rubber Insulating Matting	D-178	2004
Standard Specification for Rubber Insulating Blankets	D-1048	1977
Standard Specification for Rubber Insulating Covers	D-1049	2004
Standard Specification for Rubber Insulating Line Hose	D-1050	2005
Standard Specification for Rubber Insulating Sleeves	D-1051	2002

(3)Material other than rubber that offers equivalent or greater protection may be used if the material is certified to meet the appropriate ANSI/ASTM standard tests.

(4)Rubber insulating sleeves and blankets shall be given a visual inspection and an electrical test by a trained employee or outside service within 12 months after purchase and not less than once each 12-month period thereafter.

(5)Rubber insulating gloves shall be given an electrical test by a trained employee or outside service at intervals as prescribed in the American Society of Testing and Materials (ASTM) F496, 2004 edition, Standard Specifications for In-Service Care of Insulating Gloves and Sleeves, which is adopted by reference in R 408.41610.

(6)The maximum interval for the electrical retesting of gloves required by ASTM F496, 2004 edition, is shown in table 3.

(7)Table 3 reads as follows:

TABLE 3 Electrical Retesting of Gloves	
Description	Maximum Interval Between Tests
1. Gloves, in use	6 months
2. Gloves, in use by telecommunication industry	9 months
3. Gloves, tested but not issued for service	12 months
NOTE: THE INTERVAL BETWEEN TESTS SHOULD TAKE INTO CONSIDERATION WORK PRACTICES AND TEST EXPERIENCE.	

(8)The equipment shall be dated or coded with the date of purchase or issuance and the date of each periodic test. The electrical test shall be performed in accordance with the applicable American Society of Testing and Materials standard listed in table 2.

(9)Equipment listed in table 2 shall be visually inspected for cracks, cuts, punctures, and thin spots before each use. Where insulating gloves are required and used, they shall be manually air tested daily before starting work.

(10)Equipment not meeting the electrical test requirements, visual inspection, or manual air test for flaws, scuffs, snags, punctures, and foreign substances, such as oil, dirt, or grease, shall be removed from service.

(11)An insulated blanket, glove, or sleeve shall be capable of withstanding the voltage to which it may be subjected.

(12)Insulating gloves, sleeves, and blankets shall be kept as free as possible from ozone, chemicals, heat, oils, solvents,

**Annual Administrative Code Supplement**  
**2005 Edition**

damaging vapors, fumes, electrical discharges, and sunlight. The gloves, sleeves, and blankets shall be stored in a bag, box, container, or compartment that is designed and used exclusively for their storage and shall not be folded, creased, or compressed.

History: 1979 ACS 10, Eff. Apr. 8, 1982; 1985 MR 5, Eff. June 14, 1985; 2005 MR 16, Eff. Aug. 22, 2005.

**R 408.41633 Head protection.**

Rule 1633. (1) A class B helmet for the protection of an employee exposed to voltages of more than 600 volts shall bear a certification by the manufacturer that the helmet is as prescribed in the American National Standard Institute (ANSI) standard, Z89.2, 1971 edition, Industrial Protective Helmets For Electrical Workers, which is adopted by reference in R 408.41610.

(2) A helmet provided for and as prescribed in construction safety standard Part 6 Personal Protective Equipment, R 408.40617 and R 408.40621, shall be used to protect the employee where a hazard or risk of injury exists from falling or flying objects or particles or from other harmful contacts or exposures.

(3) Where there is exposure to electrical contact, helmet liners or wind guards shall not be in contact with the outside shell of the helmet.

History: 1979 ACS 10, Eff. Apr. 8, 1982; 1985 MR 5, Eff. June 14, 1985; 2005 MR 16, Eff. Aug. 22, 2005.

**R 408.41634 Lineman's belt, safety strap, lifelines, lanyards, and personal climbing equipment; use.**

Rule 1634. (1) A lineman's belt and safety strap shall be provided as prescribed in construction safety standard Part 6 Personal Protective Equipment, R 408.40601 et seq., and shall be worn by an employee working on a pole, tower, or other such structure, except where use of the belt and strap creates a greater hazard. If use of the belt and strap creates a greater hazard, other equivalent safeguards shall be used.

(2) A lineman's belt and safety strap shall not be used in a manner that subjects them to a shock load, unless the belt and strap are in compliance with the requirements of a safety belt and lanyard prescribed in construction safety standard Part 45 Fall Protection, R 408.44501 et seq.

(3) A lineman's belt, safety strap, lifelines, lanyards, and personal climbing equipment shall be inspected before use each day and shall be replaced or repaired if found to be defective.

(4) Lifelines and lanyards shall comply with the provisions of 29 CFR §1926.502, which is adopted by reference in R 408.44502 of construction safety standard Part 45 Fall Protection.

History: 1979 ACS 10, Eff. Apr. 8, 1982; 1985 MR 5, Eff. June 14, 1985; 1996 MR 8, Eff. Sept. 19, 1996; 2005 MR 16, Eff. Aug. 22, 2005.

**R 408.41635 Lineman's belt and safety strap; construction.**

Rule 1635. A lineman's belt and safety strap shall meet all of the following criteria:

(a) Hardware for a lineman's belt, safety belt, and safety strap shall be dropforged or pressed steel with a corrosion-resistant finish. The surface shall be smooth and free of sharp edges.

(b) The hardware shall be constructed to withstand the following tests:

(i) Buckles, 2,000-pound tensile test with a permanent deformation of not more than 1/64 inch.

(ii) D rings, 5,000-pound tensile test without cracking or breaking.

(iii) Snaphooks, 5,000-pound tensile test without distortion which would release the keeper. The keeper shall have a spring tension that does not allow the keeper to open with a weight of not less than 4 pounds when the weight is supported on the keeper against the end of the nose.

(iv) The corrosion-resistant finish shall meet the requirements of the 50-hour test published in the American Society of Testing and Materials (ASTM) standard B-117, 1979 edition, Standard Method of Salt Spray (Fog) Testing, which is adopted by reference in R 408.41610.

(c) The cushion part of a lineman's belt shall meet all of the following requirements:

(i) It shall contain no exposed rivets on the inside.

(ii) It shall be not less than 3 inches wide and not less than 5/32 inch thick, if made of leather.

(iii) It shall have pocket tabs that extend not less than 1 1/2 inches down and 3 inches back of the inside of the circle of each D ring for riveting on plier or tool pockets. On shifting D belts, the measurement for pocket tabs shall be taken when the D ring section is centered.

(d) A maximum of 4 tool loops shall be so located on the lineman's belt that 4 inches of the lineman's belt in the center of the back, measured from D ring to D ring, are free of tool loop and other attachments.

(e) Copper, steel, or equivalent liners shall be used around the bar of D rings to prevent wear between the D ring and the leather or fabric enclosing them.

(f) All stitching shall be not less than 42-pound weight nylon or equivalent thread and shall be lockstitched. Stitching parallel

**Annual Administrative Code Supplement**  
**2005 Edition**

to an edge shall be not less than 3/16 inch from the edge of the narrowest member caught by the thread. The use of cross stitching on leather is prohibited.

History: 1979 ACS 10, Eff. Apr. 8, 1982; 2005 MR 16, Eff. Aug. 22, 2005.

**R 408.41636 Ladders.**

Rule 1636. (1) A portable metal or conductive ladder shall be as prescribed in construction safety standard Part 11 Fixed and Portable Ladders, R 408.41101 et seq., and shall not be used near energized lines or equipment except as may be necessary in specialized work, such as in high voltage substations where nonconductive ladders might present a greater hazard than conductive ladders.

(2) A portable metal or conductive ladder shall be prominently marked as conductive and all necessary precautions shall be taken when used in specialized work as prescribed in subrule (1) of this rule.

(3) A hook or other type of ladder used in structures shall be positively secured to prevent the ladder from being accidentally displaced.

History: 1979 ACS 10, Eff. Apr. 8, 1982; 2005 MR 16, Eff. Aug. 22, 2005.

**R 408.41637 Live-line tools.**

Rule 1637. A live-line tool shall be as prescribed in R 408.41969 of construction safety standard Part 19 Tools, R 408.41901 et seq.

History: 1979 ACS 10, Eff. Apr. 8, 1982; 2005 MR 16, Eff. Aug. 22, 2005.

**R 408.41638 Handtools.**

Rule 1638. (1) A portable or powered handtool shall be as prescribed in construction safety standard Part 19 Tools, R 408.41901 et seq.

(2) All hydraulic tools which are used on or around energized lines or equipment shall use nonconducting hoses having adequate strength for the normal operating pressures.

(3) All pneumatic tools which are used on or around energized lines or equipment shall have both of the following:

(a) An accumulator on the compressor to collect moisture.

(b) Nonconducting hoses having adequate strength for the normal operating pressures.

History: 1979 ACS 10, Eff. Apr. 8, 1982; 2005 MR 16, Eff. Aug. 22, 2005.

**R 408.41639**

**Source:** 1982 AACS.

**R 408.41640**

**Source:** 1982 AACS.

**R 408.41641 Aerial lifts.**

Rule 1641. (1) The provisions of construction safety standard Part 32 Aerial Work Platforms, R 408.43201 et seq., apply to the utilization of aerial lifts.

(2) When working near energized lines or equipment, aerial lift trucks shall be grounded or barricaded and considered as energized equipment, or the aerial lift truck shall be insulated from the work being performed.

(3) Equipment or material shall not be passed between a pole or structure and an aerial lift while an employee working from the basket is within reaching distance of energized conductors or equipment that are not covered with insulating protective equipment.

History: 1979 ACS 10, Eff. Apr. 8, 1982; 2005 MR 16, Eff. Aug. 22, 2005.

**R 408.41642 Derrick trucks, cranes, and other lifting equipment.**

Rule 1642. (1) All derrick trucks, cranes, and other lifting equipment shall comply with construction safety standards Part 10 Lifting and Digging Equipment, R 408.41001(a) et seq., and Part 13 Mobile Equipment, R 408.41301 et seq., except:

(a) As stated in Part 10 relating to clearance (for clearances in this rule see table 1).

(b) That a derrick truck (electric line truck) shall not be required to comply with §1926.550(a)(7)(vi), (a)(17), (b)(2), and (e), as adopted by reference in R 408.41001.

(2) With the exception of equipment certified for work on the proper voltage, mechanical equipment shall not be operated closer to any energized line or equipment than the clearances set forth in R 408.41627 of this part, unless 1 of the following is complied with:

(a) An insulated barrier is installed between the energized part and the mechanical equipment.

**Annual Administrative Code Supplement**  
**2005 Edition**

- (b)The mechanical equipment is grounded.
  - (c)The mechanical equipment is insulated.
  - (d)The mechanical equipment is considered energized.
- History: 1979 ACS 10, Eff. Apr. 8, 1982; 2005 MR 16, Eff. Aug. 22, 2005.

**R 408.41643 Material handling.**

- Rule 1643. (1) Prior to unloading steel, poles, cross arms, and similar material, the load shall be thoroughly examined to ascertain if the load has shifted, binders or stakes have broken, or the load is otherwise hazardous to employees.
- (2)During pole hauling operations, all loads shall be secured to prevent displacement and a red flag shall be displayed at the trailing end of the longest pole.
- (3)Precautions shall be exercised to prevent the blocking of roadways or the endangering of other traffic.
- (4)When hauling poles during the hours of darkness, illuminated warning devices shall be attached to the trailing end of the longest pole.
- (5)Materials or equipment shall not be stored under energized bus, energized lines, or near energized equipment, if it is practical to store them elsewhere.
- (6)When materials or equipment are stored under energized lines or near energized equipment, applicable clearances shall be maintained as stated in table 1, and extraordinary caution shall be exercised when moving materials near such energized equipment.
- (7)Where hazards to employees exist, tag lines or other suitable devices shall be used to control loads being handled by hoisting equipment.
- (8)During construction or repair of oil filled equipment the oil may be stored in temporary containers other than those required in construction safety standard Part 18 Fire Protection and Prevention, R 408.41801 et seq., such as pillow tanks.
- (9)During framing operations, employees shall not work under a pole or a structure suspended by a crane, A-frame, or similar equipment unless the pole or structure is adequately supported.
- (10)The hoist rope shall not be wrapped around the load. This provision does not apply to electric construction crews when setting or removing poles.

History: 1979 ACS 10, Eff. Apr. 8, 1982; 2005 MR 16, Eff. Aug. 22, 2005.

**R 408.41644**

**Source:** 1985 AACS.

**R 408.41645 Overhead lines.**

- Rule 1645. (1) When working on or with overhead lines, the provisions of subrules (2) to (10) of this rule shall be complied with in addition to other applicable provisions of this part.
- (2)Prior to climbing poles, ladders, scaffolds, or other elevated structures, an inspection shall be made to determine that the structures are capable of sustaining the additional or unbalanced stresses to which they will be subjected.
- (3)Where poles or structures may be unsafe for climbing, they shall not be climbed until made safe by guying, bracing, or other adequate means.
- (4)Before installing or removing wire or cable, strains to which poles and structures will be subjected shall be considered and necessary action taken to prevent failure of supporting structures.
- (5)When setting, moving, or removing poles using cranes, derricks, gin poles, a frames, or other mechanized equipment near energized lines or equipment, precautions shall be taken to avoid contact with energized lines or equipment, except in bare-hand, live-line work, or where barriers or protective devices are used.
- (6)Equipment and machinery operating adjacent to energized lines or equipment shall be in compliance with R 408.41642(2).

History: 1979 ACS 10, Eff. Apr. 8, 1982; 1985 MR 5, Eff. June 14, 1985; 2005 MR 16, Eff. Aug. 22, 2005.

**R 408.41646 Metal tower construction.**

- Rule 1646. (1) When working in an excavation for pad- or pile-type footings in excess of 5 feet deep, the excavation shall be either sloped to the angle of repose or shored as prescribed in construction safety standard Part 9 Excavation, Trenching and Shoring, R 408.40901 et seq. Ladders shall be provided for access to pad- or pile-type footing excavations in excess of 4 feet.
- (2)Provisions shall be made for cleaning out auger-type footings without requiring an employee to enter the footing unless shoring is used to protect the employee.
- (3)A designated employee shall be used in directing mobile equipment adjacent to footing excavations.
- (4)A person shall not be permitted to remain in the footing while equipment is being spotted for placement.
- (5)Where necessary to assure the stability of mobile equipment, the location of use for such equipment shall be graded and

**Annual Administrative Code Supplement**  
**2005 Edition**

leveled.

(6) Tower assembly shall be carried out with a minimum exposure of employees to falling objects when working at 2 or more levels on a tower.

(7) Guy lines shall be used as necessary to maintain sections or parts of sections in position and to reduce the possibility of tipping.

(8) Members and sections being assembled shall be adequately supported.

(9) When assembling and erecting towers, the provisions of subdivisions (a), (b), and (c) of this subrule shall be compiled with:

(a) The construction of transmission towers and the erecting of poles, hoisting machinery, site preparation machinery, and other types of construction machinery shall conform to the applicable requirements of this part.

(b) A person shall not be permitted under a tower which is in the process of erection or assembly, except as may be required to guide and secure the section being set.

(c) When erecting towers using hoisting equipment adjacent to energized transmission lines, the lines shall be deenergized when practical. If the lines are not deenergized, extraordinary caution shall be exercised to maintain the minimum clearance distances required by R 408.41627 of this part.

(10) Erection cranes shall be set on firm level foundations and when the cranes are so equipped, outriggers shall be used.

(11) Tag lines shall be utilized to maintain control of tower sections being raised and positioned, except where the use of such lines would create a greater hazard.

(12) The loadline shall not be detached from a tower section until the section is adequately secured.

(13) Except during emergency restoration procedures, erection shall be discontinued in the event of high wind or other adverse weather conditions which would make the work hazardous.

(14) Equipment and rigging shall be regularly inspected and maintained in safe operating condition.

(15) Adequate traffic control shall be maintained when crossing highways and railways with equipment as required by construction safety standard Part 22 Signals, Signs, Tags and Barricades, R 408.42201 et seq.

(16) A designated employee shall be utilized to determine that required clearance is maintained in moving equipment under or near energized lines.

History: 1979 ACS 10, Eff. Apr. 8, 1982; 2005 MR 16, Eff. Aug. 22, 2005.

**R 408.41647 Stringing or removing de-energized conductors.**

Rule 1647. (1) When stringing or removing deenergized conductors, the provisions of subrules (2) to (18) of this rule shall be complied with.

(2) Prior to stringing operations, a briefing for all employees who will be performing the work shall be held setting forth the plan of operation and specifying the type of equipment to be used, grounding devices and procedures to be followed, crossover methods to be employed, and the clearance authorization required.

(3) Where there is a possibility of the conductor accidentally contacting an energized circuit or receiving a dangerous induced voltage buildup, to further protect the employee from the hazards of the conductor, the conductor being installed or removed shall be grounded or provisions made to insulate or isolate the employee.

(4) If the existing line is de-energized, proper clearance authorization shall be secured and the line grounded on both sides of the crossover or the line being strung or removed shall be considered and worked as energized.

(5) When crossing over energized conductors in excess of 600 volts, rope nets or guard structures shall be installed unless provision is made to isolate or insulate the workman or the energized conductor. Where practical, the automatic reclosing feature of the circuit-interrupting device shall be made inoperative. In addition, the line being strung shall be grounded on either side of the crossover or considered and worked as energized.

(6) Conductors being strung in or removed shall be kept under positive control by the use of adequate tension reels, guard structures, tielines, or other means to prevent accidental contact with energized circuits.

(7) Guard structure members shall be sound and of adequate dimension and strength and adequately supported.

(8) Catch-off anchors, rigging, and hoists shall be of ample capacity to prevent loss of the lines.

(9) The manufacture's load rating shall not be exceeded for stringing lines, pulling lines, sock connections, and all load-bearing hardware and accessories.

(10) Pulling lines and accessories shall be inspected regularly and replaced or repaired when damaged or when dependability is doubtful. The provisions of R 408.40832, of construction safety standard Part 8 Handling and Storage of Material, shall not apply.

(11) Conductor grips shall not be used on wire rope unless designed for this application.

(12) While the conductor or pulling line is being pulled (in motion), employees shall not be permitted directly under overhead operations or on the crossarm.

(13) A transmission clipping crew shall have a minimum of 2 structures clipped in between the crew and the conductor being

**Annual Administrative Code Supplement**  
**2005 Edition**

sagged. When working on bare conductors, clipping and tying crews shall work between grounds at all times. The grounds shall remain intact until the conductors are clipped in, except on dead-end structures.

(14) Except during emergency restoration procedures, work from structures shall be discontinued when adverse weather, such as high wind or ice on structures, makes the work hazardous.

(15) Stringing and clipping operations shall be discontinued during the progress of an electrical storm in the immediate vicinity.

(16) Reel-handling equipment, including pulling and braking machines, shall have ample capacity, operate smoothly, and be leveled and aligned in accordance with the manufacturer's operating instructions.

(17) Reliable communications between the reel tender and pulling rig operator shall be provided.

(18) Each pull shall be snubbed or dead-ended at both ends before subsequent pulls.

History: 1979 ACS 10, Eff. Apr. 8, 1982; 1985 MR 5, Eff. June 14, 1985; 2005 MR 16, Eff. Aug. 22, 2005.

**R 408.41648**

**Source:** 1985 AACS.

**R 408.41649**

**Source:** 1985 AACS.

**R 408.41650 Underground lines.**

Rule 1650. (1) Appropriate warning signs shall be promptly placed when covers of manholes, hand holes, or vaults are removed. What is an appropriate warning sign is dependent upon the nature and location of the hazards involved.

(2) Before an employee enters a street opening, such as a manhole or an unvented vault, it shall be promptly protected with a barrier, temporary cover or other suitable guard.

(3) When work is to be performed in a manhole or unvented vault:

(a) Entry shall not be permitted unless forced ventilation is provided or the atmosphere is found to be safe by testing for oxygen deficiency and the presence of explosive gases or fumes.

(b) Where unsafe conditions are detected, by testing or other means, the work area shall be ventilated and otherwise made safe before entry.

(c) Provisions shall be made for an adequate continuous supply of air.

(4) While work is being performed in manholes, an employee shall be available in the immediate vicinity to render emergency assistance as may be required. This requirement does not preclude the employee in the immediate vicinity from occasionally entering a manhole to provide assistance other than emergency. This requirement also does not preclude a qualified employee, working alone, from entering, for brief periods of time, a manhole where energized cables or equipment are in service, for the purpose of inspection, housekeeping, taking readings, or similar work if such work is performed safely.

(5) When open flames must be used or smoking is permitted in manholes, extra precautions shall be taken to provide adequate ventilation.

(6) Before using open flames in a manhole or excavation in an area where combustible gases or liquids may be present, such as near a gasoline service station, the atmosphere of the manhole or excavation shall be tested and found safe or cleared of the combustible gases or liquids.

(7) During excavation or trenching, in order to prevent the exposure of employees to the hazards created by damage to dangerous underground facilities, efforts shall be made to determine the location of such facilities and work conducted in a manner designed to avoid damage.

(8) Trenching and excavation operations shall comply with construction safety standard Part 9 Excavation Trenching and Shoring, R 408.40901 et seq.

(9) When underground facilities (electric, gas, water, telephone, or other) are exposed, they shall be protected as necessary to avoid damage.

(10) Where multiple cables exist in an excavation, cables other than the one being worked on shall be protected as necessary.

(11) When multiple cables exist in an excavation, the cable to be worked on shall be identified by electrical means unless its identity is obvious by reason of distinctive appearance.

(12) Before cutting into a cable or opening a splice, the cable shall be identified and verified by the employer or authorized representative to be the proper cable.

(13) When working on buried cable or on cable in manholes, metallic sheath continuity shall be maintained by bonding across the opening or by equivalent means.

History: 1979 ACS 10, Eff. Apr. 8, 1982; 2005 MR 16, Eff. Aug. 22, 2005.



**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.41651**

**Source:** 1982 AACS.

**R 408.41652**

**Source:** 1982 AACS.

**R 408.41653 Barricades and barriers.**

Rule 1653. (1) Barricades or barriers shall be installed to prevent accidental contact with energized lines or equipment.

(2) Where appropriate, signs indicating the hazard shall be posted near the barricade or barrier. These signs shall comply with construction safety standard Part 22 Signals, Signs, Tags and Barricades, R 408.42201 et seq.

History: 1979 ACS 10, Eff. Apr. 8, 1982; 2005 MR 16, Eff. Aug. 22, 2005.

**R 408.41654**

**Source:** 1982 AACS.

**R 408.41655**

**Source:** 1982 AACS.

**R 408.41656**

**Source:** 1982 AACS.

**R 408.41657**

**Source:** 1982 AACS.

**R 408.41658**

**Source:** 1982 AACS.

**PART 17. ELECTRICAL INSTALLATIONS**

**R 408.41733**

**Source:** 1982 AACS.

**PART 18. FIRE PROTECTION AND PREVENTION**

**R 408.41801**

**Source:** 2002 AACS.

**R 408.41802**

**Source:** 2002 AACS.

**R 408.41836**

**Source:** 2002 AACS.

**R 408.41837**

**Source:** 2002 AACS.

**R 408.41838**

**Source:** 2002 AACS.

**R 408.41841**

**Source:** 2002 AACS.

**R 408.41842**

**Source:** 2002 AACS.

**R 408.41850**

**Source:** 1995 AACS.

**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.41851**  
Source: 2002 AACS.

**R 408.41852**  
Source: 2002 AACS.

**R 408.41853**  
Source: 2002 AACS.

**R 408.41854**  
Source: 1983 AACS.

**R 408.41855**  
Source: 1983 AACS.

**R 408.41856**  
Source: 1983 AACS.

**R 408.41861**  
Source: 2002 AACS.

**R 408.41862**  
Source: 1983 AACS.

**R 408.41863**  
Source: 2002 AACS.

**R 408.41864**  
Source: 2002 AACS.

**R 408.41865**  
Source: 1983 AACS.

**R 408.41866**  
Source: 2002 AACS.

**R 408.41867**  
Source: 1983 AACS.

**R 408.41868**  
Source: 2002 AACS.

**R 408.41869**  
Source: 2002 AACS.

**R 408.41871**  
Source: 2002 AACS.

**R 408.41872**  
Source: 1983 AACS.

**R 408.41873**  
Source: 1983 AACS.

**R 408.41874**  
Source: 1983 AACS.

**R 408.41875**

**Annual Administrative Code Supplement**  
**2005 Edition**

**Source:** 2002 AACS.

**R 408.41876**

**Source:** 2002 AACS.

**R 408.41877**

**Source:** 2002 AACS.

**R 408.41878**

**Source:** 1983 AACS.

**R 408.41879**

**Source:** 1983 AACS.

**R 408.41881**

**Source:** 1983 AACS.

**R 408.41882**

**Source:** 1983 AACS.

**R 408.41883**

**Source:** 1983 AACS.

**R 408.41884**

**Source:** 2002 AACS.

**PART 19. TOOLS**

**R 408.41926**

**Source:** 1989 AACS.

**R 408.41927**

**Source:** 1989 AACS.

**R 408.41928**

**Source:** 1989 AACS.

**R 408.41929**

**Source:** 1989 AACS.

**R 408.41932**

**Source:** 1989 AACS.

**R 408.41933**

**Source:** 1989 AACS.

**R 408.41934**

**Source:** 1989 AACS.

**R 408.41935**

**Source:** 1995 AACS.

**R 408.41936**

**Source:** 1982 AACS.

**R 408.41937**

**Source:** 1989 AACS.

**R 408.41943**

**Annual Administrative Code Supplement**  
**2005 Edition**

**Source:** 1982 AACS.

**R 408.41944**

**Source:** 1997 AACS.

**R 408.41945**

**Source:** 1997 AACS.

**R 408.41949**

**Source:** 1997 AACS.

**R 408.41951**

**Source:** 1989 AACS.

**R 408.41955**

**Source:** 1989 AACS.

**R 408.41957**

**Source:** 1989 AACS.

**R 408.41958**

**Source:** 1997 AACS.

**R 408.41959**

**Source:** 1989 AACS.

**R 408.41960**

**Source:** 1989 AACS.

**R 408.41961**

**Source:** 1995 AACS.

**R 408.41962**

**Source:** 1989 AACS.

**R 408.41963**

**Source:** 1997 AACS.

**R 408.41964**

**Source:** 1989 AACS.

**R 408.41966**

**Source:** 1995 AACS.

**R 408.41970**

**Source:** 1989 AACS.

**R 408.41971**

**Source:** 1989 AACS.

**R 408.41972**

**Source:** 1989 AACS.

**R 408.41973**

**Source:** 1989 AACS.

**R 408.41974**

**Source:** 1989 AACS.

**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.41975**  
Source: 1989 AACS.

**R 408.41976**  
Source: 1989 AACS.

**R 408.41977**  
Source: 1989 AACS.

**R 408.41978**  
Source: 1989 AACS.

**R 408.41979**  
Source: 1989 AACS.

**R 408.41980**  
Source: 1995 AACS.

**PART 20. DEMOLITION**

**R 408.42001**  
Source: 1981 AACS.

**R 408.42023**  
Source: 1998-2000 AACS.

**R 408.42031**  
Source: 1998-2000 AACS.

**R 408.42032**  
Source: 1996 AACS.

**R 408.42033**  
Source: 1981 AACS.

**R 408.42034**  
Source: 1981 AACS.

**R 408.42041**  
Source: 1996 AACS.

**R 408.42043**  
Source: 1981 AACS.

**R 408.42044**  
Source: 1981 AACS.

**R 408.42045**  
Source: 1981 AACS.

**R 408.42046**  
Source: 1981 AACS.

**R 408.42047**  
Source: 1981 AACS.

**PART 21. GUARDING OF WALKING AND WORKING AREAS**

**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.42101**  
Source: 1996 AACS.

**R 408.42121**  
Source: 1996 AACS.

**R 408.42122**  
Source: 1996 AACS.

**R 408.42123**  
Source: 1996 AACS.

**R 408.42127**  
Source: 1993 AACS.

**R 408.42128**  
Source: 1993 AACS.

**R 408.42129**  
Source: 1993 AACS.

**R 408.42130**  
Source: 1993 AACS.

**R 408.42131**  
Source: 1996 AACS.

**R 408.42140**  
Source: 1997 AACS.

**R 408.42141**  
Source: 1997 AACS.

**R 408.42142**  
Source: 1997 AACS.

**R 408.42143**  
Source: 1997 AACS.

**R 408.42144**  
Source: 1997 AACS.

**R 408.42145**  
Source: 1996 AACS.

**R 408.42146**  
Source: 1997 AACS.

**R 408.42147**  
Source: 1997 AACS.

**R 408.42148**  
Source: 1997 AACS.

**R 408.42149**  
Source: 1989 AACS.

**R 408.42150**  
Source: 1996 AACS.

**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.42151**  
**Source:** 1997 AACS.

**R 408.42152**  
**Source:** 1997 AACS.

**R 408.42153**  
**Source:** 1997 AACS.

**R 408.42154**  
**Source:** 1989 AACS.

**R 408.42155**  
**Source:** 1993 AACS.

**R 408.42156**  
**Source:** 1993 AACS.

**R 408.42157**  
**Source:** 1993 AACS.

**R 408.42158**  
**Source:** 1997 AACS.

**R 408.42159**  
**Source:** 1989 AACS.

**R 408.42160**  
**Source:** 1996 AACS.

**PART 22. SIGNALS, SIGNS, TAGS, AND BARRICADES**

**R 408.42201**  
**Source:** 2001 AACS.

**R 408.42210**  
**Source:** 1997 AACS.

**R 408.42211**  
**Source:** 2001 AACS.

**R 408.42213**  
**Source:** 2001 AACS.

**R 408.42221**  
**Source:** 2001 AACS.

**R 408.42222**  
**Source:** 2001 AACS.

**R 408.42223**  
**Source:** 2001 AACS.

**R 408.42224**  
**Source:** 2001 AACS.

**R 408.42225**  
**Source:** 2001 AACS.

**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.42229**  
Source: 2001 AACS.

**R 408.42230**  
Source: 2001 AACS.

**R 408.42231**  
Source: 1995 AACS.

**R 408.42232**  
Source: 1997 AACS.

**R 408.42233**  
Source: 2001 AACS.

**R 408.42238**  
Source: 1995 AACS.

**R 408.42243**  
Source: 1995 AACS.

**PART 24. TAR KETTLES**

**R 408.42401**  
Source: 1991 AACS.

**R 408.42403**  
Source: 1981 AACS.

**R 408.42404**  
Source: 1981 AACS.

**R 408.42407**  
Source: 1996 AACS.

**PART 25. CONCRETE CONSTRUCTION**

**R 408.42501**  
Source: 2003 AACS.

**R 408.42502**  
Source: 2003 AACS.

**R 408.42503**  
Source: 2003 AACS.

**R 408.42516**  
Source: 2003 AACS.

**R 408.42517**  
Source: 2003 AACS.

**R 408.42518**  
Source: 2003 AACS.

**R 408.42519**  
Source: 2003 AACS.



**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.42520**  
Source: 2003 AACS.

**R 408.42521**  
Source: 2003 AACS.

**R 408.42522**  
Source: 2003 AACS.

**R 408.42523**  
Source: 2003 AACS.

**R 408.42524**  
Source: 1989 AACS.

**R 408.42525**  
Source: 1980 AACS.

**R 408.42526**  
Source: 1980 AACS.

**R 408.42527**  
Source: 2003 AACS.

**R 408.42528**  
Source: 1989 AACS.

**R 408.42531**  
Source: 1989 AACS.

**R 408.42532**  
Source: 2003 AACS.

**R 408.42533**  
Source: 2003 AACS.

**R 408.42534**  
Source: 1989 AACS.

**R 408.42535**  
Source: 2003 AACS.

**PART 26. STEEL AND PRECAST ERECTION**

**R 408.42601**  
Source: 2002 AACS.

**R 408.42602**  
Source: 2002 AACS.

**R 408.42604**  
Source: 2002 AACS.

**R 408.42605**  
Source: 2002 AACS.

Source: 2002 AACS.

**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.42607**  
Source: 2002 AACS.

**R 408.42608**  
Source: 2002 AACS.

**R 408.42609**  
Source: 2002 AACS.

**R 408.42610**  
Source: 2002 AACS.

**R 408.42611**  
Source: 1997 AACS.

**R 408.42612**  
Source: 1997 AACS.

**R 408.42613**  
Source: 1997 AACS.

**R 408.42614**  
Source: 2002 AACS.

**R 408.42615**  
Source: 2002 AACS.

**R 408.42616**  
Source: 2002 AACS.

**R 408.42617**  
Source: 2002 AACS.

**R 408.42618**  
Source: 2002 AACS.

**R 408.42620**  
Source: 2002 AACS.

**R 408.42621**  
Source: 2002 AACS.

**R 408.42622**  
Source: 2002 AACS.

**R 408.42623**  
Source: 2002 AACS.

**R 408.42626**  
Source: 2002 AACS.

**R 408.42628**  
Source: 2002 AACS.

**R 408.42629**  
Source: 2002 AACS.

**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.42630**  
Source: 2002 AACS.

**R 408.42632**  
Source: 2002 AACS.

**R 408.42634**  
Source: 2002 AACS.

**R 408.42636**  
Source: 2002 AACS.

**R 408.42638**  
Source: 2002 AACS.

**R 408.42640**  
Source: 2002 AACS.

**R 408.42642**  
Source: 2002 AACS.

**R 408.42643**  
Source: 2002 AACS.

**R 408.42644**  
Source: 2002 AACS.

**R 408.42645**  
Source: 2002 AACS.

**R 408.42646**  
Source: 2002 AACS.

**R 408.42648**  
Source: 2002 AACS.

**R 408.42650**  
Source: 2002 AACS.

**R 408.42651**  
Source: 2002 AACS.

**R 408.42653**  
Source: 2002 AACS.

**R 408.42654**  
Source: 2002 AACS.

**R 408.42655**  
Source: 2002 AACS.

**R 408.42656**  
Source: 2002 AACS.

**PART 27. BLASTING AND USE OF EXPLOSIVES**

**R 408.42701**  
Source: 1982 AACS.

**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.42724**  
Source: 1982 AACS.

**R 408.42725**  
Source: 1982 AACS.

**R 408.42726**  
Source: 1982 AACS.

**R 408.42727**  
Source: 1982 AACS.

**R 408.42728**  
Source: 1982 AACS.

**R 408.42731**  
Source: 1982 AACS.

**R 408.42732**  
Source: 1982 AACS.

**R 408.42733**  
Source: 1982 AACS.

**R 408.42734**  
Source: 1982 AACS.

**R 408.42735**  
Source: 1988 AACS.

**R 408.42737**  
Source: 1982 AACS.

**R 408.42741**  
Source: 1994 AACS.

**R 408.42742**  
Source: 1982 AACS.

**R 408.42743**  
Source: 1982 AACS.

**R 408.42744**  
Source: 1982 AACS.

**R 408.42751**  
Source: 1982 AACS.

**R 408.42752**  
Source: 1982 AACS.

**R 408.42753**  
Source: 1982 AACS.

**R 408.42754**  
Source: 1982 AACS.

**R 408.42755**  
Source: 1982 AACS.

**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.42756**  
**Source:** 1982 AACS.

**R 408.42757**  
**Source:** 1982 AACS.

**R 408.42758**  
**Source:** 1982 AACS.

**R 408.42759**  
**Source:** 1982 AACS.

**R 408.42761**  
**Source:** 1982 AACS.

**R 408.42762**  
**Source:** 1982 AACS.

**R 408.42763**  
**Source:** 1982 AACS.

**R 408.42799**  
**Source:** 1988 AACS.

**PART 30. TELECOMMUNICATIONS**

**R 408.43001 Adoption of federal O.S.H.A. standard.**

Rule 3001. (1) The federal occupational safety and health administration's regulations on telecommunications that have been promulgated by the United States department of labor and codified at 29 C.F.R. §1910.268, are adopted by reference in these rules as of the effective date of these rules, except as noted in subrule (2) of this rule.

(2) Paragraphs (a)(2)(i) and (a)(3) of 29 C.F.R. §1910.268 are excepted.

(3) As of the effective date of these rules, the words "for purposes of 29 CFR 1910.34," as used in 29 C.F.R. §1910.268(b)(1)(iii), are excepted.

(4) As of the effective date of these rules, §1910.110, referenced in 29 C.F.R. §1910.268(b)(4), means R 408.43003.

(5) As of the effective date of these rules, the words "Assistant Secretary for Occupational Safety and Health," as used in 29 C.F.R. §1910.268(c), mean director of the department of labor and economic growth.

(6) As of the effective date of these rules, §1910.137, referenced in 29 C.F.R. §1910.268(f)(1), means general industry safety standard Part 33. Personal Protective Equipment, R 408.13387.

(7) As of the effective date of these rules, the words "Subpart D of this part," as used in 29 C.F.R. §1910.268(h)(1), mean construction safety standard Part 11. Fixed and Portable Ladders, R 408.41101 et seq.

(8) As of the effective date of these rules, §1910.25(c)(5), referenced in 29 C.F.R. §1910.268(h)(5), means R 408.43004.

(9) As of the effective date of these rules, §§1910.133(a)(2) to (a)(6), referenced in 29 C.F.R. §1910.268(i)(2), mean construction safety standard Part 6. Personal Protective Equipment, R 408.40601 et seq.

(10) As of the effective date of these rules, subpart Q, referenced in 29 C.F.R. §1910.268(i)(9), means construction safety standard Part 7. Welding and Cutting, R 408.40701 et seq.

(11) As of the effective date of these rules, the words "Subpart W of Part 1926 of this title," as used in 29 C.F.R. §1910.268(j)(2)(i), mean construction safety standard Part 13. Mobile Equipment, R 408.41301 et seq.

(12) As of the effective date of these rules, American National Standards Institute (ANSI) standard J6.6-1971, referenced in 29 C.F.R. §1910.268(n)(11)(iv), means American Society for Testing and Materials (ASTM) standard D 120, Standard Specification for Rubber Insulating Gloves, 1977 edition.

(13) As of the effective date of these rules, §1910.97, referenced in 29 C.F.R. §1910.268(p)(2), means occupational health standard Part 382. Nonionizing Radiation, R 325.60701 et seq.

(14) The adopted federal regulations shall have the same force and effect as a rule promulgated under 1974 PA 154, MCL 408.1001 et seq.

(15) These rules replace occupational health rule 6701.

History: 1954 ACS 88, Eff. Sept. 16, 1976; 1979 AC; 2005 MR 17, Eff. Sept. 8, 2005.

**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.43002 Applicability.**

Rule 3002. Operations or conditions not specifically covered by these rules are subject to all the applicable standards promulgated by the construction safety standards commission. Operations which involve general industrial work are subject to all the applicable standards promulgated by the occupational health and general industry safety standards commissions.

History: 1954 ACS 88, Eff. Sept. 16, 1976; 1979 AC; 2005 MR 17, Eff. Sept. 8, 2005.

**R 408.43003 Vehicles fueled by LP gas; storage or service; repair; parking.**

Rule 3003. (1) Vehicles fueled by LP gas may be stored or serviced inside garages if there are no leaks in the fuel system and the fuel tanks are not filled beyond the maximum filling capacity specified in table 1.

TABLE 1

MAXIMUM PERMITTED FILLING DENSITY

Specific gravity at 60°F. (15.6°C.)	Aboveground containers		Underground containers, all capacities
	0 to 1,200 U.S. gals. (1,000 imp. gal., 4,550 liters) total water cap.	Over 1,200 U.S. gals. (1,000 imp. gal., 4,550 liters) total water cap.	
	Percent	Percent	Percent
.496-.503	41	44	45
.504-.510	42	45	46
.511-.519	43	46	47
.520-.527	44	47	48
.528-.536	45	48	49
.537-.544	46	49	50
.545-.552	47	50	51
.553-.560	48	51	52
.561-.568	49	52	53
.569-.576	50	53	54
.577-.584	51	54	55
.585-.592	52	55	56
.593-.600	53	56	57

(2) Vehicles fueled by LP gas which are being repaired in garages shall have the container shutoff valve closed except when fuel is required for engine operation.

(3) Vehicles fueled by LP gas shall not be parked near sources of heat, open flames, or similar sources of ignition, or near open pits, unless the pits are adequately ventilated.

History: 1954 ACS 88, Eff. Sept. 16, 1976; 1979 AC; 2005 MR 17, Eff. Sept. 8, 2005.

**R 408.43005 Employer responsibility.**

Rule 3005. Where personal protective equipment is required by any provision of 29 C.F.R. §1910.268 Telecommunications, adopted by reference in R 408.43001, that personal protective equipment shall be provided for and as prescribed in construction safety standard Part 6. Personal Protective Equipment, R 408.40601 et seq.

History: 1979 ACS 12, Eff. Dec. 10, 1982; 2005 MR 17, Eff. Sept. 8, 2005.

**R 408.43006 Availability of documents.**

Rule 3006. (1) The federal regulations adopted by reference in these rules are available without cost as of the time of adoption of these rules from the United States Department of Labor, OSHA, 315 West Allegan, Room 315, Lansing, Michigan 48933, or via the internet at website: [www.osha.gov](http://www.osha.gov), or from the Michigan Department of Labor and Economic Growth, MIOSHA Standards Section, P.O. Box 30643, Lansing, Michigan 48909.

(2) The following Michigan occupational safety and health standards are referenced in these rules. Up to 5 copies of these standards may be obtained at no charge from the Michigan Department of Labor and Economic Growth, MIOSHA Standards Section, 7150 Harris Drive, P.O. Box 30643, Lansing, Michigan, 48909-8143 or via the internet at website:

**Annual Administrative Code Supplement**  
**2005 Edition**

[www.michigan.gov/mioshastandards](http://www.michigan.gov/mioshastandards). For quantities greater than 5, the cost, as of the time of adoption of these rules, is 4 cents per page.

- (a) Construction Safety Standard Part 6. Personal Protective Equipment, R 408.40601 et seq.
  - (b) Construction Safety Standard Part 7. Welding and Cutting, R 408.40701 et seq.
  - (c) Construction Safety Standard Part 11. Fixed and Portable Ladders, R 408.41101 et seq.
  - (d) Construction Safety Standard Part 13. Mobile Equipment, R 408.41301 et seq.
  - (e) General Industry Safety Standard Part 33. Personal Protective Equipment, R 408.13387.
  - (f) Occupational Health Standard Part 382. Nonionizing Radiation, R 325.60701 et seq.
  - (3) The following standards are referenced in these rules and are available from Global Engineering Documents, 15 Inverness Way East, Englewood, Colorado, 80112, telephone number 1-800-854-7179, website: [www.global.ihs.com](http://www.global.ihs.com), at a cost as of the time of adoption of these rules, as stated in this rule:
    - (a) American Society for Testing and Materials (ASTM) standard B117-64, Standard Practice for Operating Salt Spray (Fog) Apparatus. Cost: \$40.00.
    - (b) American National Standards Institute (ANSI) standard Z89.2-1971, Industrial Protective Helmets for Electrical Workers. Cost: \$25.00.
    - (c) American National Standards Institute (ANSI) standard B30.6-1969, Safety Code for Derricks. Cost: \$40.00.
    - (d) American Society for Testing and Materials (ASTM) standard D 120, Standard Specification for Rubber Insulating Gloves, 1977 edition. Cost: \$54.00.
    - (e) **American National Standards Institute (ANSI) standard A92.2-1969, Vehicle-Mounted Elevating and Rotating Devices. Cost: \$20.00.**
- History: 2005 MR 17, Eff. Sept. 8, 2005.

**PART 31. DIVING OPERATIONS**

- R 408.43106**  
Source: 1994 AACS.
- R 408.43109**  
Source: 1994 AACS.
- R 408.43121**  
Source: 1994 AACS.
- R 408.43155**  
Source: 1994 AACS.
- R 408.43156**  
Source: 1994 AACS.
- R 408.43162**  
Source: 1994 AACS.

**PART 32. AERIAL WORK PLATFORMS**

- R 408.43201**  
Source: 1992 AACS.
- R 408.43202**  
Source: 1998-2000 AACS.
- R 408.43203**  
Source: 1992 AACS.
- R 408.43204**  
Source: 1992 AACS.
- R 408.43205**  
Source: 1998-2000 AACS.

**Annual Administrative Code Supplement**  
**2005 Edition**

**R 408.43206**  
Source: 1998-2000 AACS.

**R 408.43207**  
Source: 1992 AACS.

**R 408.43208**  
Source: 1992 AACS.

**R 408.43209**  
Source: 1998-2000 AACS.

**R 408.43210**  
Source: 1992 AACS.

**PART 42. HAZARD COMMUNICATION**

**R 408.44201**  
Source: 1995 AACS.

**R 408.44202**  
Source: 1995 AACS.

**R 408.44203**  
Source: 1995 AACS.

**PART 45. FALL PROTECTION**

**R 408.44501**  
Source: 1996 AACS.

**R 408.44502**  
Source: 1996 AACS.

**PART 51. AGRICULTURAL TRACTORS**

**R 408.45101**  
Source: 1997 AACS.

**PART 91. PROCESS SAFETY MANAGEMENT OF HIGHLY HAZARDOUS CHEMICALS**

**R 408.49101**  
Source: 1998-2000 AACS.

**DEPARTMENT OF EDUCATION**  
**VOCATIONAL-TECHNICAL EDUCATION SERVICE**  
**STANDARDS FOR ISSUANCE OF WORK PERMITS**

**R 409.1**  
Source: 1980 AACS.

**R 409.2**  
Source: 1980 AACS.

**R 409.3**  
Source: 1980 AACS.

**R 409.4**



**Annual Administrative Code Supplement**  
**2005 Edition**

**Source:** 1980 AACS.

**R 409.5**

**Source:** 1980 AACS.

**R 409.6**

**Source:** 1980 AACS.

**DEPARTMENT OF CONSUMER AND INDUSTRY SERVICES**  
**DIRECTOR'S OFFICE**  
**WORKER'S COMPENSATION APPELLATE COMMISSION**  
**ADMINISTRATIVE APPELLATE PROCEDURE**

**R 418.1**

**Source:** 1991 AACS.

**R 418.2**

**Source:** 1991 AACS.

**R 418.3**

**Source:** 1991 AACS.

**R 418.4**

**Source:** 1991 AACS.

**R 418.5**

**Source:** 1991 AACS.

**R 418.6**

**Source:** 1991 AACS.

**R 418.7**

**Source:** 1991 AACS.

**R 418.8**

**Source:** 1991 AACS.

**WORKER'S COMPENSATION BOARD OF MAGISTRATES**

**R 418.51**

**Source:** 1996 AACS.

**R 418.52**

**Source:** 1996 AACS.

**R 418.53**

**Source:** 1996 AACS.

**R 418.54**

**Source:** 1996 AACS.

**R 418.55**

**Source:** 1996 AACS.

**R 418.56**

**Source:** 1996 AACS.

**R 418.57**

**Source:** 1996 AACS.

**Annual Administrative Code Supplement**  
**2005 Edition**

**R 418.58**  
**Source:** 1996 AACS.

**BUREAU OF WORKER'S DISABILITY COMPENSATION**  
**WORKER'S COMPENSATION HEALTH CARE SERVICES**

**PART 1. GENERAL PROVISIONS**

**R 418.101**  
**Source:** 1998-2000 AACS.

**R 418.102**  
**Source:** 1998-2000 AACS.

**R 418.103**  
**Source:** 1998-2000 AACS.

**R 418.104**  
**Source:** 1998-2000 AACS.

**R 418.105**  
**Source:** 1998-2000 AACS.

**R 418.106**  
**Source:** 1998-2000 AACS.

**R 418.107**  
**Source:** 1998-2000 AACS.

**R 418.108**  
**Source:** 1998-2000 AACS.

**R 418.109**  
**Source:** 1998-2000 AACS.

**R 418.110**  
**Source:** 1998-2000 AACS.

**R 418.111**  
**Source:** 1998-2000 AACS.

**R 418.112**  
**Source:** 1998-2000 AACS.

**R 418.113**  
**Source:** 1998-2000 AACS.

**R 418.114**  
**Source:** 1998-2000 AACS.

**R 418.115**  
**Source:** 1998-2000 AACS.

**R 418.116**  
**Source:** 1998-2000 AACS.

**R 418.117**  
**Source:** 1998-2000 AACS.

**Annual Administrative Code Supplement**  
**2005 Edition**

**R 418.118**  
Source: 1998-2000 AACS.

**R 418.119**  
Source: 1998-2000 AACS.

**R 418.120**  
Source: 1998-2000 AACS.

**R 418.121**  
Source: 1998-2000 AACS.

**R 418.122**  
Source: 1998-2000 AACS.

**R 418.123**  
Source: 1998-2000 AACS.

**R 418.124**  
Source: 1998-2000 AACS.

**R 418.125**  
Source: 1998-2000 AACS.

**R 418.126**  
Source: 1998-2000 AACS.

**R 418.127**  
Source: 1998-2000 AACS.

**R 418.128**  
Source: 1998-2000 AACS.

**R 418.129**  
Source: 1998-2000 AACS.

**R 418.130**  
Source: 1998-2000 AACS.

**R 418.131**  
Source: 1998-2000 AACS.

**R 418.132**  
Source: 1998-2000 AACS.

**PART 2. MEDICINE AND EVALUATION AND MANAGEMENT SERVICES**

**R 418.201**  
Source: 1998-2000 AACS.

**R 418.202**  
Source: 1998-2000 AACS.

**R 418.203**  
Source: 1998-2000 AACS.

**R 418.204**

**Annual Administrative Code Supplement**  
**2005 Edition**

**Source:** 1998-2000 AACS.

**R 418.205**

**Source:** 1998-2000 AACS.

**R 418.206**

**Source:** 1998-2000 AACS.

**R 418.207**

**Source:** 1998-2000 AACS.

**R 418.208**

**Source:** 1998-2000 AACS.

**R 418.209**

**Source:** 1998-2000 AACS.

**R 418.210**

**Source:** 1998-2000 AACS.

**R 418.211**

**Source:** 1998-2000 AACS.

**R 418.212**

**Source:** 1998-2000 AACS.

**R 418.213**

**Source:** 1998-2000 AACS.

**R 418.214**

**Source:** 1998-2000 AACS.

**R 418.215**

**Source:** 1998-2000 AACS.

**R 418.216**

**Source:** 1998-2000 AACS.

**PART 3. ANESTHESIA**

**R 418.301**

**Source:** 1998-2000 AACS.

**R 418.302**

**Source:** 1998-2000 AACS.

**R 418.303**

**Source:** 1998-2000 AACS.

**R 418.304**

**Source:** 1998-2000 AACS.

**R 418.305**

**Source:** 1998-2000 AACS.

**R 418.306**

**Source:** 1998-2000 AACS.

**R 418.307**

**Annual Administrative Code Supplement**  
**2005 Edition**

**Source:** 1998-2000 AACS.

**R 418.308**

**Source:** 1998-2000 AACS.

**R 418.309**

**Source:** 1998-2000 AACS.

**PART 4. SURGERY**

**R 418.401**

**Source:** 1998-2000 AACS.

**R 418.402**

**Source:** 1998-2000 AACS.

**R 418.403**

**Source:** 1998-2000 AACS.

**R 418.404**

**Source:** 1998-2000 AACS.

**R 418.405**

**Source:** 1998-2000 AACS.

**R 418.406**

**Source:** 1998-2000 AACS.

**R 418.407**

**Source:** 1998-2000 AACS.

**R 418.408**

**Source:** 1998-2000 AACS.

**R 418.409**

**Source:** 1998-2000 AACS.

**R 418.410**

**Source:** 1998-2000 AACS.

**R 418.411**

**Source:** 1998-2000 AACS.

**R 418.412**

**Source:** 1998-2000 AACS.

**R 418.413**

**Source:** 1998-2000 AACS.

**R 418.414**

**Source:** 1998-2000 AACS.

**R 418.415**

**Source:** 1998-2000 AACS.

**R 418.416**

**Source:** 1998-2000 AACS.

**R 418.417**

**Annual Administrative Code Supplement**  
**2005 Edition**

**Source:** 1998-2000 AACS.

**R 418.418**

**Source:** 1998-2000 AACS.

**PART 5. RADIOLOGY, RADIATION THERAPY, AND NUCLEAR MEDICINE**

**R 418.501**

**Source:** 1998-2000 AACS.

**R 418.502**

**Source:** 1998-2000 AACS.

**R 418.503**

**Source:** 1998-2000 AACS.

**R 418.504**

**Source:** 1998-2000 AACS.

**R 418.505**

**Source:** 1998-2000 AACS.

**R 418.506**

**Source:** 1998-2000 AACS.

**R 418.507**

**Source:** 1998-2000 AACS.

**R 418.508**

**Source:** 1998-2000 AACS.

**R 418.509**

**Source:** 1998-2000 AACS.

**PART 6. PATHOLOGY AND LABORATORY**

**R 418.601**

**Source:** 1998-2000 AACS.

**R 418.602**

**Source:** 1998-2000 AACS.

**R 418.603**

**Source:** 1998-2000 AACS.

**R 418.604**

**Source:** 1998-2000 AACS.

**R 418.605**

**Source:** 1998-2000 AACS.

**R 418.606**

**Source:** 1998-2000 AACS.

**R 418.607**

**Source:** 1998-2000 AACS.

**R 418.608**

**Source:** 1998-2000 AACS.

**Annual Administrative Code Supplement**  
**2005 Edition**

**R 418.609**  
Source: 1998-2000 AACS.

**R 418.610**  
Source: 1998-2000 AACS.

**R 418.611**  
Source: 1998-2000 AACS.

**R 418.612**  
Source: 1998-2000 AACS.

**PART 7. DENTAL**

**R 418.701**  
Source: 1998-2000 AACS.

**R 418.702**  
Source: 1998-2000 AACS.

**R 418.703**  
Source: 1998-2000 AACS.

**R 418.704**  
Source: 1998-2000 AACS.

**R 418.705**  
Source: 1998-2000 AACS.

**PART 8. AMBULANCE SERVICE**

**R 418.801**  
Source: 1998-2000 AACS.

**R 418.802**  
Source: 1998-2000 AACS.

**PART 9. HOME HEALTH AGENCY**

**R 418.901**  
Source: 1998-2000 AACS.

**R 418.902**  
Source: 1998-2000 AACS.

**R 418.903**  
Source: 1998-2000 AACS.

**R 418.904**  
Source: 1998-2000 AACS.

**R 418.905**  
Source: 1998-2000 AACS.

**PART 10. PHARMACY AND MEDICAL SUPPLY SERVICE**

**R 418.1001**

**Annual Administrative Code Supplement**  
**2005 Edition**

**Source:** 1998-2000 AACS.

**R 418.1002**

**Source:** 1998-2000 AACS.

**R 418.1003**

**Source:** 1998-2000 AACS.

**R 418.1004**

**Source:** 1998-2000 AACS.

**R 418.1005**

**Source:** 1998-2000 AACS.

**R 418.1006**

**Source:** 1998-2000 AACS.

**R 418.1007**

**Source:** 1998-2000 AACS.

**PART 11. OCCUPATIONAL THERAPY AND PHYSICAL THERAPY**

**R 418.1101**

**Source:** 1998-2000 AACS.

**R 418.1102**

**Source:** 1998-2000 AACS.

**R 418.1103**

**Source:** 1998-2000 AACS.

**R 418.1104**

**Source:** 1998-2000 AACS.

**R 418.1105**

**Source:** 1998-2000 AACS.

**R 418.1106**

**Source:** 1998-2000 AACS.

**PART 12. ORTHOTIC AND PROSTHETIC EQUIPMENT**

**R 418.1201**

**Source:** 1998-2000 AACS.

**R 418.1202**

**Source:** 1998-2000 AACS.

**R 418.1203**

**Source:** 1998-2000 AACS.

**R 418.1204**

**Source:** 1998-2000 AACS.

**PART 13. HEARING SERVICE**

**R 418.1301**

**Source:** 1998-2000 AACS.



**Annual Administrative Code Supplement**  
**2005 Edition**

**R 418.1302**  
**Source:** 1998-2000 AACS.

**PART 14. VISION AND PROSTHETIC OPTICAL SERVICE**

**R 418.1401**  
**Source:** 1998-2000 AACS.

**R 418.1402**  
**Source:** 1998-2000 AACS.

**PART 15. MISCELLANEOUS SUPPLIER**

**R 418.1501**  
**Source:** 1998-2000 AACS.

**R 418.1502**  
**Source:** 1998-2000 AACS.

**R 418.1503**  
**Source:** 1998-2000 AACS.

**PART 16. FACILITY SERVICE**

**R 418.1601**  
**Source:** 1998-2000 AACS.

**R 418.1602**  
**Source:** 1998-2000 AACS.

**R 418.1603**  
**Source:** 1998-2000 AACS.

**R 418.1604**  
**Source:** 1998-2000 AACS.

**R 418.1605**  
**Source:** 1998-2000 AACS.

**R 418.1606**  
**Source:** 1998-2000 AACS.

**R 418.1607**  
**Source:** 1998-2000 AACS.

**R 418.1608**  
**Source:** 1998-2000 AACS.

**R 418.1609**  
**Source:** 1998-2000 AACS.

**R 418.1610**  
**Source:** 1998-2000 AACS.

**R 418.1611**  
**Source:** 1998-2000 AACS.

**Annual Administrative Code Supplement**  
**2005 Edition**

**R 418.1612**  
Source: 1998-2000 AACS.

**R 418.1613**  
Source: 1998-2000 AACS.

**R 418.1614**  
Source: 1998-2000 AACS.

**R 418.1615**  
Source: 1998-2000 AACS.

**R 418.1616**  
Source: 1998-2000 AACS.

**R 418.1617**  
Source: 1998-2000 AACS.

**PART 17. TECHNICAL AND PROFESSIONAL HEALTH CARE REVIEW**

**R 418.1701**  
Source: 1998-2000 AACS.

**R 418.1702**  
Source: 1998-2000 AACS.

**R 418.1703**  
Source: 1998-2000 AACS.

**R 418.1704**  
Source: 1998-2000 AACS.

**R 418.1705**  
Source: 1998-2000 AACS.

**R 418.1706**  
Source: 1998-2000 AACS.

**R 418.1707**  
Source: 1998-2000 AACS.

**R 418.1708**  
Source: 1998-2000 AACS.

**PART 18. DATA ACQUISITION FROM CARRIERS, PROVIDERS, AND FACILITIES**

**R 418.1801**  
Source: 1998-2000 AACS.

**R 418.1802**  
Source: 1998-2000 AACS.

**R 418.1803**  
Source: 1998-2000 AACS.

**R 418.1804**  
Source: 1998-2000 AACS.

**Annual Administrative Code Supplement**  
**2005 Edition**

**PART 19. PROCESS FOR RESOLVING DIFFERENCES  
BETWEEN CARRIER AND PROVIDER REGARDING BILL**

- R 418.1901**  
Source: 1998-2000 AACS.
- R 418.1902**  
Source: 1998-2000 AACS.
- R 418.1903**  
Source: 1998-2000 AACS.
- R 418.1904**  
Source: 1998-2000 AACS.
- R 418.1905**  
Source: 1998-2000 AACS.

**PART 20. RECONSIDERATION AND APPEAL OF ACTIONS OF  
REGARDING HOSPITAL'S MAXIMUM PAYMENT RATIO AND  
CERTIFICATION OF CARRIER'S PROFESSIONAL REVIEW PROGRAM**

- R 418.2001**  
Source: 1998-2000 AACS.
- R 418.2002**  
Source: 1998-2000 AACS.
- R 418.2003**  
Source: 1998-2000 AACS.
- R 418.2004**  
Source: 1998-2000 AACS.
- R 418.2005**  
Source: 1998-2000 AACS.

**PART 21. PAYMENT**

- R 418.2101**  
Source: 1998-2000 AACS.
- R 418.2102**  
Source: 1998-2000 AACS.
- R 418.2103**  
Source: 1998-2000 AACS.
- R 418.2104**  
Source: 1998-2000 AACS.
- R 418.2105**  
Source: 1998-2000 AACS.
- R 418.2106**  
Source: 1998-2000 AACS.
- R 418.2107**

**Annual Administrative Code Supplement**  
**2005 Edition**

**Source:** 1998-2000 AACS.

**R 418.2108**

**Source:** 1998-2000 AACS.

**R 418.2109**

**Source:** 1998-2000 AACS.

**R 418.2110**

**Source:** 1998-2000 AACS.

**R 418.2111**

**Source:** 1998-2000 AACS.

**R 418.2112**

**Source:** 1998-2000 AACS.

**R 418.2113**

**Source:** 1998-2000 AACS.

**R 418.2114**

**Source:** 1998-2000 AACS.

**R 418.2115**

**Source:** 1998-2000 AACS.

**R 418.2116**

**Source:** 1998-2000 AACS.

**R 418.2117**

**Source:** 1998-2000 AACS.

**R 418.2118**

**Source:** 1998-2000 AACS.

**R 418.2119**

**Source:** 1998-2000 AACS.

**PART 22. BILLING BY PRACTITIONER OR HEALTH CARE ORGANIZATION**

**R 418.2201**

**Source:** 1998-2000 AACS.

**R 418.2202**

**Source:** 1998-2000 AACS.

**R 418.2203**

**Source:** 1998-2000 AACS.

**R 418.2204**

**Source:** 1998-2000 AACS.

**R 418.2205**

**Source:** 1998-2000 AACS.

**R 418.2206**

**Source:** 1998-2000 AACS.

**PART 23. FEE SCHEDULE**

**R 418.2301**  
Source: 1998-2000 AACCS.

**R 418.2302**  
Source: 1998-2000 AACCS.

**R 418.2303**  
Source: 1998-2000 AACCS.

**R 418.2304**  
Source: 1998-2000 AACCS.

**R 418.2305**  
Source: 1998-2000 AACCS.

**R 418.2306**  
Source: 1998-2000 AACCS.

**R 418.2307**  
Source: 1998-2000 AACCS.

**R 418.2308**  
Source: 1998-2000 AACCS.

**R 418.2308a**  
Source: 1998-2000 AACCS.

**R 418.2309**  
Source: 1998-2000 AACCS.

**R 418.2310**  
Source: 1998-2000 AACCS.

**R 418.2311**  
Source: 1998-2000 AACCS.

**R 418.2312**  
Source: 1998-2000 AACCS.

**R 418.2313**  
Source: 1998-2000 AACCS.

**R 418.2314**  
Source: 1998-2000 AACCS.

**R 418.2315**  
Source: 1998-2000 AACCS.

**R 418.2316**  
Source: 1998-2000 AACCS.

**R 418.2317**  
Source: 1998-2000 AACCS.

**R 418.2318**  
Source: 1998-2000 AACCS.

**Annual Administrative Code Supplement**  
**2005 Edition**

**R 418.2319**  
**Source:** 1998-2000 AACS.

**R 418.2320**  
**Source:** 1998-2000 AACS.

**R 418.2321**  
**Source:** 1998-2000 AACS.

**R 418.2322**  
**Source:** 1998-2000 AACS.

**R 418.2323**  
**Source:** 1998-2000 AACS.

**R 418.2324**  
**Source:** 1998-2000 AACS.

**R 418.2325**  
**Source:** 1998-2000 AACS.